

# **Roland Clayton Merchant, MD, MPH, ScD**

Date prepared: 27 July 2025

## **EMPLOYMENT**

### **Appointments at Hospitals/Affiliated Institutions**

2001–2018	Attending Physician	Department of Emergency Medicine, Rhode Island Hospital/Hasbro Children's Hospital
2018–2021	Attending Physician	Department of Emergency Medicine, Brigham and Women's Hospital
2021–2025	Attending Physician	Department of Emergency Medicine, The Mount Sinai Hospital
2025–date* *pending	Attending Physician	Department of Emergency Medicine, Tampa General Hospital

### **Academic Appointments**

07/04–06/10	Brown Medical School and Program in Public Health, Brown University, Providence, RI Assistant Professor, Emergency Medicine and Community Health
07/10–06/11	Alpert Medical School and Program in Public Health, Brown University, Providence, RI Associate Professor, Emergency Medicine and Community Health
07/11–06/17	Alpert Medical School and School of Public Health, Brown University, Providence, RI Associate Professor, Emergency Medicine and Epidemiology
07/17–01/18	Alpert Medical School and School of Public Health, Brown University, Providence, RI Professor, Emergency Medicine and Epidemiology
01/18–date	Alpert Medical School and School of Public Health, Brown University, Providence, RI Adjunct Professor (non-voting), Emergency Medicine and Epidemiology
02/18–01/19	Harvard Medical School, Boston, MA Member of the Faculty, Emergency Medicine
02/19–01/21	Harvard Medical School, Boston, MA Associate Professor, Emergency Medicine
02/21–date	Harvard Medical School, Boston, MA Visiting Professor (non-voting), Emergency Medicine
02/21–03/25	Icahn School of Medicine, New York, NY Professor with tenure, Emergency Medicine
04/01–date	Icahn School of Medicine, New York, NY Adjunct Professor (non-voting), Emergency Medicine

04/25–date      University of South Florida Morsani College of Medicine, Tampa, FL  
Professor with tenure, Emergency Medicine

04/25–date      University of South Florida Morsani college of Medicine, Tampa, FL  
Assistant Dean of Faculty Development for Clinical Research

### **MILITARY SERVICE**

07/89–05/93      United States Navy Health Professions Scholarship Program  
Emory University School of Medicine

06/93–06/94      National Naval Medical Center, Bethesda, MD  
Intern – Internal Medicine

07/94              United States Marine Corps Field Medical Service School, Camp Pendleton, CA  
Trainee – Marine Corps Operational Medicine

08/94–09/95      3rd Force Service Support Group, United States Marine Corps, Camp Kinser, Okinawa, Japan  
General Medical Officer (Clinic Physician), Medical Clinic

10/95–04/96      United States Navy Flight Surgery School, Pensacola, FL  
Trainee – Flight Surgery

05/96–04/97      Marine Air Logistics Squadron 36, United States Marine Corps Air Station, Futenma,  
Okinawa, Japan  
Flight Surgeon (Clinic Physician), Medical Clinic

05/97–06/98      Naval Air Station, Joint Reserve Base, New Orleans, LA  
Flight Surgeon (Clinic Physician), Naval Branch Health Clinic

07/98–06/01      United States Navy Individual Ready Reserve  
New York, NY

07/01–11/04      United States Navy Individual Ready Reserve  
Newport, RI

**GAPS IN EMPLOYMENT:** none

### **EDUCATION**

**BA cum laude, Phi Beta Kappa | Psychology**  
Rhodes College, Memphis, TN | 09/85–05/89

**MD | School of Medicine**  
Emory University, Atlanta, GA | 07/89–05/93

**MPH | Quantitative Methods**  
Harvard School of Public Health, Boston, MA | 09/01–06/03

**ScD | Epidemiology**  
Harvard School of Public Health, Boston, MA | 07/03–11/07

**MA, *ad eundum* (Honorary)**

Brown University, Providence, RI | 2011

**Post-Doctoral Training**

- 06/93–06/94    National Naval Medical Center, Bethesda, MD  
Intern – Internal Medicine
- 07/98–06/01    Mount Sinai School of Medicine, New York, NY  
Resident – Emergency Medicine
- 07/01–06/04    Brown Medical School, Providence, RI  
Research Fellow – Emergency Medicine and Infectious Diseases Research

**Non-Degree Certificate Program**

- 01/18–10/18    Culture Change (C-Change) in Mentoring and Leadership Institute  
Brandeis University
- 04/18–05/19    Implementation Science  
University of California, San Francisco
- 07/20–06/22    Institute for Implementation Science Scholars Program (IS-2)  
Washington University at St. Louis

**CERTIFICATION**

- 1994            National Board of Medical Examiners  
2002–date    American Board of Emergency Medicine

**LICENSURE**

- 1994            Alabama State Medical License (inactive)  
1997            Louisiana State Medical License (inactive)  
1998            New York State Medical License (inactive)  
2001            Rhode Island State Medical License (inactive)  
2018            Massachusetts Commonwealth Medical License (inactive)  
2021            New York State Medical License

**HONORS/AWARDS**

- 1989–1993    United States Navy  
Health Professions Scholarship
- 1998            United States Army, Special Operations Combat Medicine  
EMT-Paramedic Clinical Rotations  
Certificate of Appreciation
- 2000            Society for Academic Emergency Medicine, Region C, Semi-Final Clinical Pathologic  
Conference Competition  
Runner-up

2000	United States Army, Special Operations Combat Medicine EMT-Paramedic Clinical Rotations Certificate of Appreciation
2001	Mount Sinai School of Medicine Emergency Medicine Residency Program Resident Research Award
2006	Department of Emergency Medicine, Brown Medical School, Brown University Paul Calabresi Faculty Research Award
2007	American College of Emergency Physicians Fellow
2008	Society for Academic Emergency Medicine Young Investigator Award
2008	Lifespan Health System Bruce M. Selya Award for Research Excellence
2010	Department of Emergency Medicine, Alpert Medical School of Brown University Outstanding Physician Award
2016	Department of Emergency Medicine, Alpert Medical School of Brown University Gregory Jay, MD, PhD Research Impact Award
2019	Department of Emergency Medicine, Mount Sinai School of Medicine Alumni Research Excellence Award

**PATENTS:** none

## **OTHER PROFESSIONAL ROLES**

### **Research Grant Review**

#### **Local:**

2019	Brigham Research Institute Pilot Grants Committee, Brigham and Women's Hospital	<i>Ad hoc</i> member
2021	2021 CURE-19 Research Pilot Grant Selection Committee, Icahn School of Medicine at Mount Sinai	<i>Ad hoc</i> member
2022	2022 CURE-19 Research Pilot Grant Selection Committee, Icahn School of Medicine at Mount Sinai	<i>Ad hoc</i> member

2023	AMPATH 2023 Nepal Pilot Projects Grant Selection Committee, Icahn School of Medicine at Mount Sinai	<i>Ad hoc</i> member
2024	Yale-METRO SIREN/Fellowship pilot Grant Selection Committee	<i>Ad hoc</i> member
2024	AMPATH 2024 Nepal Pilot Projects Grant Selection Committee, Icahn School of Medicine at Mount Sinai	<i>Ad hoc</i> member

**National:**

2009–2015	Society for Academic Emergency Medicine Grants Committee	Grant reviewer
2012	Patient-Centered Outcomes Research Institute (PCORI)	<i>Ad hoc</i> reviewer
2012–2013	Review panel ZRG1 AARR-G (92) S National Institutes of Health	<i>Ad hoc</i> member
2012–2018	Behavioral and Social Consequences of HIV National Institutes of Health	
	2012–2014	<i>Ad hoc</i> member
	2014–2018	Standing member
2013	Review panel ZAI1 RCU-A (S4) 1 National Institutes of Health	<i>Ad hoc</i> member
2013	Review panel ZRG1 AARR-G (50) R National Institutes of Health	<i>Ad hoc</i> member
2018–2020	HIV/AIDS Intra- and Inter-personal Determinants and Behavioral Interventions National Institutes of Health	Standing member
2024	Review panel 2024/10 ZDA1 SAI-C (O1) R National Institutes of Health	<i>Ad hoc</i> member
2025	Review panel 2025/10 ZRG1 SCIL-X (50) National Institutes of Health	Co-chair

**International:**

2019	Health Research Board, Department of Health, Republic of Ireland	<i>Ad hoc</i> reviewer
------	--	------------------------

### **Research Training Grants**

- 2011–2021 National Institute on Drug Abuse, T32-DA013911  
Role: Program Faculty (Timothy Flanigan, MD; Principal Investigator)
- 2014–2018 Training in child/adolescent biobehavioral HIV research  
National Institute on Mental Health, T32-MH078788  
Role: Program Faculty (Larry Brown, MD; Principal Investigator)
- 2015–2017 Develop patient centered outcomes scholars for comparative effectiveness research  
Agency for Healthcare Research Quality, K12-HS022998  
Role: Program Faculty (Thomas Trikilinos, MD, PhD; Principal Investigator)
- 2015–2018 National research service award  
Agency for Healthcare Research Quality, T32-HS000011  
Role: Program Faculty (Vincent Mor, PhD; Principal Investigator)
- 2016–2021 The VA advanced fellowship program in health services research and development  
Veterans' Administration  
Role: Program Faculty (Amal Trivedi, MD and Kerry LaPlante, PharmD; Directors)
- 2018–2019 COBRE Center on opioids and overdose  
National Institute of General Medical Sciences, P20GM125507  
Role: Program mentor (Josiah Rich, MD; Principal Investigator)
- 2019–2021 Advance-CTR Mentored Research Awards Program (KL2)  
National Institute of General Medical Sciences, U54GM115677  
Role: Research mentor (James Padbury, MD; Principal Investigator)
- 2021–2024 Mount Sinai Clinician Scientist Training Program in Emergency Care Research  
National Heart, Lung and Blood Institute, T32-HL160513, then T32-HL160513  
Role: Associate Program Director (Lynne D. Richardson, MD; Principal Investigator)

### **General Administration (Committee Service)**

#### **Local:**

- 2009–2010 Lifespan Hospitals, Providence, RI  
HIV Testing committee
- 2013–2018 Lifespan Hospitals, Providence, RI  
HIV Post-Exposure Prophylaxis (PEP) committee
- 2019–2021 Brigham and Women's Hospital, Boston, MA  
Infectious diseases liaison, Department of Emergency Medicine
- 2019–2021 Brigham and Women's Hospital, Boston, MA  
Blood/body fluid exposure protocols committee

- |           |  |
|-----------|--|
| 2019–2021 | Brigham and Women’s Hospital, Boston, MA<br>Antibiotics subcommittee   |
| 2021–2024 | Icahn School of Medicine, Department of Emergency Medicine, New York, NY<br>Faculty Academic Awards Committee (Co-Chair and Founder) |

**National:**

- |           |   |
|-----------|---|
| 2005      | New York State AIDS Institute Advisor/Guidelines reviewer<br>HIV post-exposure prophylaxis guidelines |
| 2006      | Centers for Disease Control and Prevention Guidelines reviewer  |
| 2018–2022 | Society for Academic Emergency Medicine Foundation<br>Member, Board of Trustees                       |

**International:**

- |      |  |
|------|--|
| 2003 | World Health Organization Committee member<br>HIV post-exposure prophylaxis guidelines |
|------|--|

**Professional Societies**

- |           |  |
|-----------|--|
| 1998–date | American College of Emergency Physicians<br>Member, Blunt Abdominal Trauma Practice Guidelines Committee (2001–2002)   |
| 1998–date | Society for Academic Emergency Medicine<br>Member, Research Committee (2000–2002)<br>Member, Grants Committee (2009–2017)<br>Chair, Grants Committee (2015–2017) |
| 2001–2018 | Rhode Island Medical Society   |
| 2018–2021 | Massachusetts Medical Society  |

**Data and Safety Monitoring Board Membership**

- |           |   |
|-----------|---|
| 2020–2024 | Development of ingestible biosensors to enhance PrEP adherence in substance users<br>National Institute on Drug Abuse, K23DA044874, NCT03512418<br>Peter Chai, MD, MMS (Principal investigator)<br>Brigham and Women’s Hospital/Fenway Institute/Harvard Medical School |
| 2020–date | GAPcare II: The Geriatric Acute & Post-acute Care Coordination Program for Fall<br>Prevention in the Emergency Department<br>National Institute on Aging, K76AG059983<br>Rhode Island Hospital, University of Colorado  |

**Editorial Roles**

2010–2015	<i>Academic Emergency Medicine</i> Associate Editor
2012	Emergency medicine research handbook for residents and medical students. Emergency Medicine Residents' Association Faculty Editor
2015–2022	<i>Emergency Medicine Journal</i> Associate Editor

### **Ad hoc Reviewer**

*Academic Emergency Medicine*  
*AIDS and Behavior*  
*AIDS Care*  
*AIDS Patient Care and STDs*  
*American Journal of Public Health*  
*Annals of Emergency Medicine*  
*Archives of Pediatrics and Adolescent Medicine*  
*BMC Infectious Diseases*  
*BMJ*  
*Clinical Infectious Diseases*  
*Drug and Alcohol Dependence*  
*The Einstein Journal of Biology and Medicine*  
*Emergency Medicine Journal*  
*Emergency Medicine Practice*  
*Future HIV Therapy*  
*Journal of Acquired Immune Deficiency Syndromes*  
*Journal of the American Medical Association*  
*Journal of Intensive Care Medicine*  
*Journal of the International AIDS Society*  
*Journal of Medical Ethics*  
*Journal of Women's Health*  
*New England Journal of Medicine*  
*Occupational Medicine*  
*Pediatrics*  
*Postgraduate Medicine*  
*Prehospital Emergency Care*  
*Public Health Reports*  
*Sexually Transmitted Diseases*  
*South African Pharmaceutical Journal*

### **Clinical Innovations:**

Blood or body fluid exposure post-exposure prophylaxis and HIV testing in	Worked with advocacy groups, academicians, researchers, clinicians and the Rhode Island Department of Health officials to: (1) create guidelines on blood or body fluid exposure management and post-exposure prophylaxis; (2) update laws and regulations on HIV and other post-exposure prophylaxis; including allowing for distribution of starter kits for HIV post-exposure prophylaxis from
---	---



Rhode Island (2001-2018)	the emergency department; and (3) update HIV testing laws to permit opt-out HIV testing, and remove requirement for specific written consent for testing.
Blood or body fluid exposure evaluations and post-exposure prophylaxis care and management at Lifespan healthcare system (2002–2018)	Created and periodically updated clinical pathways, order sets, guidelines, institutional rules and regulations, and supportive documents for clinical care and patients for the emergency medicine department, clinic, occupational health, and hospital inpatient settings for the care of persons with blood or body fluid exposures and after sexual assault and for the provision of post-exposure prophylaxis (PEP) for HIV, hepatitis B, sexually transmitted infections and pregnancy prevention.
HIV testing at Lifespan healthcare system (2004–2018)	Arranged for onset of rapid HIV testing (point-of-care) for the laboratory across Lifespan hospitals, which revolutionized blood/body fluid exposure management. Updated regulations with stakeholders on HIV testing policies and procedures. Arranged for onset of 4 <sup>th</sup> generation HIV antibody/antigen testing in the hospital system.
HIV/AIDS and HIV testing health literacy (2005–date)	Developed and tested for acceptability and efficacy English-, Portuguese- and Spanish-language videos and afterwards comparable pictorial brochures designed to improve HIV/AIDS and HIV testing health literacy. Videos freely distributed worldwide through website and media campaigns. Created and tested in clinical and non-clinical settings and among a global internet audience a brief assessment to assess improvement in HIV/AIDS and HIV testing knowledge from these media.
Substance abuse screening (2009–2014)	Developed and tested an audio computer-assisted self-administered version of the World Health Organization's Alcohol, Smoking and Substance Involvement Screening Test (ASSIST) for English- and Spanish-speakers updated for drugs most commonly used in the United States and evaluated based on patient feedback and cognitive-based assessments. Survey version freely available through publications.
Substance abuse intervention (2009–2014)	Developed and evaluated a brief intervention using motivational interviewing for emergency department patients who use drugs and for whom an intervention is recommended. The trial of this intervention indicated no effect as compared to screening only; this outcome along with contemporaneous research led to suggestions to abandon the use of this approach for substance users.
HIV/hepatitis C persuasive health communication intervention (2019–date)	Developed a persuasive health communication intervention to encourage emergency department patients who had declined HIV and hepatitis C testing to be tested for these infections. Created a training video and training materials for healthcare providers on the intervention. Created a video based on Centers for Disease Control and Prevention materials to act as a control condition to the intervention for patients. The intervention is currently under testing in a trial.
The Mount Sinai Hospital Pediatric Emergency	Developed with stakeholder assistance a comprehensive protocol for the evaluation and treatment of patients presenting to The Mount Sinai Hospital Pediatric Emergency Department for a possible sexually transmitted infection.

Department Sexually Transmitted Infections Evaluation and Treatment Protocol (2021–date)	The protocol was accompanied by creation of smart phrases for the Epic electronic health record for documentation of patient history and medical decision-making, order sets for testing and treatment, a referral system to the Adolescent Health Center, and a training program for medical and nursing staff. The evaluation of its implementation is underway.
--	--

### Teaching and Education Innovations:

Journal Club for the Brown University Department of Emergency Medicine (2005–2018)	Founded and directed a monthly seminar-style, department-wide (medical students, residents, fellows, advanced practice providers, attending physicians, and staff). Created a curriculum for each academic year that addressed each year’s reading list from the American Board of Emergency Medicine Life-long Learning and Assessment articles. Journal club sessions involved discussing one review article and two research articles from a research methods viewpoint using a structured outline I adapted from other sources. The primary goal of journal club was for attendees to learn research methods and critique articles from a methodological perspective, as well as partake in a collaborative and enjoyable social setting at a local restaurant. I worked with a junior resident each year to choose the curriculum for the academic year and arrange meetings; many of these residents later became chief residents or had other leadership positions, or embarked on research careers.
--	---

Research Symposium for the Brown University Department of Emergency Medicine (2014–2017)	Created an annual research symposium to highlight research conducted by residents, fellows and advanced practice provider trainees from the Department of Emergency Medicine. Symposium included a grand rounds speaker and moderator of national prominence in emergency medicine outside of Brown University. Trainees presented their research and received structured feedback from the moderator, selected faculty, and audience members after their presentation and in writing from symposium attendees.
--	---

Boston Regional Emergency Medicine K Club (2018–2021)	Initiated this program at Brigham and Women’s Hospital and served as Co-Director. The K Club brought together emergency medicine junior faculty from five Boston area emergency medicine academic departments (Brigham and Women’s Hospital, Massachusetts General Hospital, Beth Israel Deaconess Medical Center, Boston Children’s Hospital, and Boston Medical Center) who met monthly to review and critique their NIH career development award applications. The primary goal of K Club was to improve the candidates’ applications and increase likelihood of obtaining funding.
---	--

K Club, Department of Emergency Medicine, Icahn School of Medicine at Mount Sinai (2021–2024)	Initiated this program for the Department of Emergency Medicine at the Icahn School of Medicine at Mount Sinai. The K Club brings together emergency medicine and critical care medicine junior faculty who meet monthly to review and critique their NIH career development award applications. The primary goal of K Club is to improve the candidates’ applications and increase likelihood of obtaining funding.
---	--

Resident Research Education Month,	Created with stakeholders a new curriculum for a mandatory research education month for The Mount Sinai Hospital/Elmhurst Hospital Emergency
------------------------------------	--

Department of Emergency Medicine, Icahn School of Medicine (2021–2024)	Medicine residency program for second year residents. The curriculum includes asynchronous didactic instruction on research methodology, exposure to emergency medicine research literature, practice performing focused literature searches, research article critiques, participation in departmental research meetings and a journal club presentation. The primary goal of the rotation is to improve resident skills in evidence-based medicine and permit exposure to research in emergency medicine.
--	---

## **GRANTS, CONTRACTS, FOUNDATION SUPPORT**

### **Past Grants**

<i>Title</i>	<i>Role in project</i>	<i>Project description</i>
<i>Project number (if any)</i>	<i>Dates</i>	
<i>Funding source</i>	<i>Direct costs</i>	
Society for Academic Emergency Medicine Resident Research Award HIV postexposure prophylaxis at the Rhode Island and Hasbro Children's Hospitals	Principal Investigator 2001–2002 \$75,000	This research award supported the first year of Dr. Merchant's research fellowship in emergency medicine and infectious diseases and his research on HIV post-exposure prophylaxis.
HIV postexposure prophylaxis to adolescents and children in Rhode Island 27.5-PS-22127 Elizabeth Glaser Pediatric AIDS Foundation	Principal Investigator 2002–2003 \$6,000	This grant supported a sub-analysis of HIV post-exposure prophylaxis provided to adolescents and children in Rhode Island emergency departments.
HIV postexposure prophylaxis in Rhode Island Emergency Departments 20020740 Rhode Island Foundation	Principal Investigator 2002–2003 \$10,000	This grant provided support for a state-wide investigation of blood body fluid exposure and HIV post-exposure prophylaxis provision in Rhode Island emergency departments.
Prevention, diagnosis, and treatment of HIV and other infectious diseases among substance abusers T32-DA13911 National Institute of Drug Abuse	Research Fellow 2002–2004 N/A (Trainee)	This training grant provided Dr. Merchant with support for his research fellowship in emergency medicine and infectious diseases, master's and doctoral degrees from the Harvard School of Public Health, and his research on blood or body fluid exposures and HIV post-exposure prophylaxis provision in Rhode Island emergency departments. (Principal Investigator: Timothy Flanigan, MD)

Rapid HIV testing in the emergency department K23-AI060363 National Institute for Allergic and Infectious Diseases	Principal Investigator 2004–2009 \$681,400	This career development award (K23) provided training in research methodology for Dr. Merchant. The award supported an investigation of a voluntary rapid HIV testing program in the Rhode Island Hospital emergency department and an intervention to increase patient willingness to be tested for HIV.
Evaluation of video-based rapid HIV test counseling in the emergency department U65/CCU124504 Centers for Disease Control and Prevention	Principal Investigator 2004–2005 \$120,000	This award provided for an expansion of an ongoing voluntary rapid HIV testing trial to evaluate a video-based method of providing rapid HIV pre-test information.
CDC HIV testing guidelines: unresolved ethical concerns 106879-42-RGAT American Foundation for AIDS Research	Principal Investigator 2007–2008 \$120,000	This grant provided for an investigation of the ethical concerns and justifications raised by advocacy groups about the 2006 CDC HIV testing recommendations for healthcare settings.
Confluence of HIV risk behaviors and drug misuse among Rhode Island Hospital Emergency Department patients P30-AI042853 Lifespan/Tufts/Brown Center for AIDS Research	Principal Investigator 2009–2010 \$40,000	This Lifespan/Tufts/Brown Center for AIDS Research (CFAR) developmental award provided for a pilot study that investigated the prevalence of HIV risk behaviors among emergency department patients identified as having a drug misuse problem.
Brief intervention for drug misuse for emergency department patients (BIDMED) R01-DA026066 National Institutes on Drug Abuse	Co-Principal Investigator 2009–2014 \$2,500,000	This project was a randomized, controlled, longitudinal trial investigating the effectiveness of a brief intervention among emergency departments to decrease drug misuse, the behaviors associated with drug misuse, and the negative consequences of drug misuse. Decrease in HIV and hepatitis C risk behaviors and an increase in uptake of screening for these infections as a consequence of the brief intervention were also evaluated as outcomes.
Brief intervention for drug misuse for emergency department patients (BIDMED) American Recovery and Reinvestment Act Summer Student and	Co-Principal Investigator 2009–2010 \$80,000	The major goal of this project was to provide a research experience related to the parent grant (BIDMED) for four undergraduate students and one college science educator.

Teacher Supplement to  
R01-DA026066-01S1  
National Institute on Drug  
Abuse

Brief intervention for drug misuse for emergency department patients (BIDMED) Supplement to R01-DA026066-02S2 National Institute on Drug Abuse Summer Research for Underrepresented Minority Students Program for Undergraduate and High School Students	Co-Principal Investigator 2010–2011 \$18,382	The major goal of this project was to provide a research experience related to the parent grant (BIDMED) for two undergraduate Latina/o students from Brown University.
Increasing Viral Testing in the Emergency Department (InVITED) R21-DA028645 National Institute on Drug Abuse	Principal Investigator 2010–2012 \$275,000	The major goal of this project was to identify unrecognized HIV, hepatitis B, and hepatitis C infections among drug misusers through combined rapid screening in the emergency department.
Video-based delivery of HIV test information for Spanish-speaking Latinos R21-NR011997 National Institute of Nursing Research	Principal Investigator 2010–2012 \$275,000	The major goal of this project was to develop and test an informational video for Spanish-speaking Latinos for HIV testing.
Brief intervention for drug misuse for emergency department patients (BIDMED) Diversity Supplement to R01-DA026066-02S1 National Institute on Drug Abuse	Co-Principal Investigator 2010–2012 \$38,828	The major goal of this project was to provide a research experience related to the parent grant (BIDMED) for a Latina student from the Rhode Island College Masters Program in Co-occurring Disorders and Chemical Dependency.
Hepatitis B screening and vaccination for emergency department patients who misuse drugs Gilead Foundation	Principal Investigator 2010–2014 \$25,466	This award provided additional funding to support hepatitis B screening and vaccination efforts as part of the BIDMED study.

Brown University emergency medicine substance abuse research fellowship RF2013-001 Society for Academic Emergency Medicine	Co-Principal Investigator / Fellowship Director 2012–2015 \$150,000	The Society for Academic Emergency Medicine provided salary support for an emergency medicine physician for the Brown University Emergency Medicine Substance Abuse Research Fellowship. The fellow conducted a worthwhile project related to substance abuse research in emergency medicine and completed a master's degree program in epidemiology at Brown University.
Evaluation of a non- invasive alcohol point-of- care alcohol testing device TruTouch Technologies	2013–2014 \$15,000	This study examined the test performance of the TruTouch device through a fingerpad touch screen in measuring alcohol levels among adult emergency departments.
Facilitating HIV testing among young adult MSM through social networking R21-NR013869 National Institute of Nursing Research	Principal Investigator 2014–2016 \$275,000	The study investigated a novel internet-based approach to facilitating a new approach to HIV testing among young adult MSM through social networking. The ultimate aim of this project was to help improve HIV testing outreach in this at-risk population.
Facilitating HIV/AIDS and HIV testing literacy for emergency department patients R01-NR014782 National Institute of Nursing Research	Principal Investigator 2014–2019 (NCE 2020) \$3,884,356	This project was a longitudinal, randomized trial comparing the utility of an HIV/AIDS and HIV testing video to a comparable pictorial brochure among English- or Spanish-speaking adult emergency department patients at four geographically spread locations in the United States.
Development and pilot testing of a persuasive health communication intervention for emergency department patients who decline rapid HIV/HCV screening R34-DA045544 National Institute on Drug Abuse	Principal Investigator 2018–2020 (NCE 2021) \$450,000	This project obtained invaluable preliminary data for a subsequent R01 randomized, controlled trial that ultimately aims to determine if: (1) a persuasive health communication intervention can convince those who initially decline screening to be tested; (2) emergency department (ED) medical staff or HIV/HCV counselors should conduct opt-out, rapid HIV/HCV screening; and (3) if ED medical staff or HIV/HCV counselors using the intervention are better at convincing patients to be tested for HIV and HCV. The project's definitive purpose was to help identify evidence-based practices to improve ED HIV/HCV screening.
Evaluation of peer navigators for emergency department patients presenting with an opioid overdose	Co-investigator 2018–2020 \$750,000	This project was a randomized controlled trial of a peer navigator program for emergency department (ED) patients presenting with an opioid overdose in Rhode Island. This study randomly assigned approximately 650 ED patients evaluated for an opioid overdose to either a group that received

Laura and John Arnold  
Foundation

peer navigator services or a control group that received usual care. The study's primary outcomes were (i) engagement in formal addiction treatment from a licensed substance abuse treatment provider within 30 days following patients' original ED visit, and (ii) repeat ED visits for an opioid overdose within 18 months of the original ED visit.

(Principal Investigator: Beaudoin and Marshall/Rhode Island Hospital and Brown University)

SENTANYL: Emergency  
department-based  
surveillance for  
clandestine opioids  
R21-DA046734  
National Institute on Drug  
Abuse

Co-investigator  
2018–2022  
\$275,000

The goal of this R21 project was to develop and refine a sentinel process for the rapid identification of clandestine opioids in individuals who presented to the emergency department after an opioid overdose. The project culminated in pilot testing of a scalable and reproducible process for surveillance of clandestine opioids, with rapid dissemination of information to experts in public health, public safety, and public policy.  
(Principal Investigator: Babu/University of Massachusetts Medical School)

The AURORA Study:  
Longitudinal assessment  
of post-traumatic  
syndromes  
National Institute of  
Mental Health  
U01-MH110925

Site investigator  
2019–2021  
\$8,006,277  
(all sites,  
Years 4 and 5)

This multi-site study examined the adverse posttraumatic neuropsychiatric sequelae of emergency department patients who suffered injuries. It involved gathering biological, self-report and clinical data to examine predictors of these sequelae as well as their possible mediators and moderators.  
(Principal investigator: McLean)

Mentoring and research in  
HIV screening  
implementation  
K24-DA044858  
National Institute on Drug  
Abuse

Principal Investigator  
2018–2023  
(NCE 2024)  
\$819,485

This Midcareer Investigator Award in Patient-Oriented Research (K24) allowed Dr. Merchant to increase significantly his mentoring activities commensurate with his areas of experience and expertise: HIV/AIDS and other infectious diseases, emergency medicine, drug, and other substance abuse. It also supported his training in mentoring and implementation science. In addition, the award facilitated the expansion and scope of his HIV screening with HIV/AIDS and HIV testing health literacy research to new locations (community and correctional settings) and to populations potentially at higher risk for HIV acquisition (drug and other substance users, immigrants and incarcerated persons).

Principal Investigator

In this R21 project, we addressed the deficit of research on the implementation of guideline-

Development of a model to implement guideline-concordant STI/HIV healthcare and screening for adolescents in the pediatric emergency department R21-NR020168 National Institute of Nursing Research	2021–2023 (NCE 2024) \$275,000	concordant care for adolescents (13-17 years-old) with suspected or who are at risk for STIs and HIV in US PEDs. We selected and pilot tested implementation strategies that address determinants (e.g., barriers, enablers, needs, problems, solutions) of providing guideline-concordant STI healthcare and screening to adolescents in a New York City (NYC) PED (Mount Sinai Hospital). Throughout the project, we collaborated with a stakeholder working group drawn from members of The Mount Sinai Hospital patient community, PED and hospital. The project proceeded in three iterative aims as guided by the implementation mapping process framework.
STEADI Intervention to increase patient receptiveness NU38OT000303-04-00 Centers for Disease Control and Prevention/National Network of Public Health Institutes	Co-Investigator 2021–2024 \$112,643 (Sinai subcontract)	This project involved the prevalence of alcohol, illicit drugs and prescription drugs identified through discovery testing of blood samples among older adult (65 years-old and older) emergency department patients who suffered a fall and were assessed as part of a trauma evaluation. In addition, the association of the presence of these substances with clinical and resource outcomes (e.g., greater injury severity, need for surgical intervention, length of hospitalization) was assessed, as adjusted for other demographic and clinical factors.
Harvard University Center for AIDS Research CFAR P30-AI060354 National Institute on Allergy and Infectious Diseases	Co-Investigator 2021–2023 (NCE 2024) \$21,257 (Sinai subcontract)	For this Center for AIDS Research-sponsored project, we conducted a pilot study at the Jackson Memorial Hospital Emergency Department in Miami, Florida, to identify areas for improvement in HIV screening among adult emergency department patients. We also devised an implementation strategy plan with stakeholders to improve HIV screening in this setting and evaluate implementation, clinical and operations outcomes related to the plan's implementation.

### **Current Grants**

<i>Funding source Project number (if any) Title</i>	<i>Role in project Dates Direct costs</i>	<i>Project description</i>
Using mobile integrated health and telehealth to	Co-Investigator 2021–2025	MIGHTy-HEART is a pragmatic comparative effectiveness trial comparing mobile integrated



support transitions of care among patients with heart failure (MIGHTy-Heart) Patient-Centered Outcomes Research Institute (PCORI), Award HS-2019C2-17373	\$365,000 (Sinai subcontract)	health with community paramedicine home visits to transitions of care coordination. Participants are congestive heart failure patients from Weill-Cornell School of Medicine and Icahn School of Medicine at Mount Sinai-affiliated hospitals. (Principal Investigator: Masterson-Creber/Weill-Cornell School of Medicine)
Sentanyl II: A multi-state analysis of fentanyl/analogs, naloxone, and clinical features of non-fatal opioid overdose UG3DA056892 National Institute on Drug Abuse	Co-Principal investigator 2022–2024 (NCE 2025) \$1,201,604	Sentanyl II is a two-phase study (two-year UG3 phase, three-year UH3 phase). In the UG3 phase, we first will adapt and expand the original Sentanyl study protocol to obtain more comprehensive information on the treatment received and clinical care course of adult non-fatal opioid overdose patients and incorporate blood sampling for discovery testing along with surveys of participants about their drug use and overdose history. Next, we will conduct a pilot study of Sentanyl II at two University of Massachusetts (UMass) Medical Center EDs. We will revise the study protocol as needed based on our experience and observations in the UG3 phase.
Evaluation of a persuasive health communication intervention designed to increase HIV/HCV screening among emergency departments patients who currently, formerly or never injected drugs R01DA055533 National Institute on Drug Abuse	Principal investigator 2022–2027 \$3,617,238	In this R01 project, we will conduct a randomized, controlled trial to compare the efficacy of a persuasive health communication intervention (PHCI) when delivered by a video vs. an HIV/HCV counselor. we will determine which delivery form of the PHCI (video or HIV/HCV counselor) results in more ED patients accepting HIV/HCV screening, as stratified by history of injection-drug use.
HAMLET Cooperative agreement International Society for Travel Medicine	Co-investigator 2023–2025 \$469,633	In this project, we will recruit participants who were recently diagnosed with monkeypox to examine biomarker changes over time.
Adapting and implementing opioid-sparing pain management protocols across Mount Sinai Health System Emergency Departments H79TI085978 Substance Abuse and Mental Health Services	Principal investigator 2024–2027 \$1,500,000	In this project, we first will work with stakeholders to adapt existing opioid-sparing pain management protocols for five common painful conditions to address opioid analgesic administration during the emergency department visit and prescribing after the visit. Afterwards, we will prepare applicable ordersets and training materials to deploy these protocols in Mount Sinai Health System emergency departments. We will

Administration  
(SAMHSA)

Smart Screening and  
Decision Support to  
Improve Maternal Health  
Research Foundation for  
The State University of  
New York on behalf of  
the University at Buffalo,  
New York State Office of  
Addiction Services and  
Supports (OASAS)

Co-investigator  
2024–2025  
\$50,000

EMPOWERS:  
Educational module for  
professional optimization  
and women's health  
enhancement in response  
to substance use disorders  
Research Foundation for  
The State University of  
New York on behalf of  
the University at Buffalo,  
New York State Office of  
Addiction Services and  
Supports (OASAS)

Co-investigator  
2024–2025  
\$50,000

A prospective, open-label  
study evaluating  
rimegepant ODT or  
zavegepant nasal spray  
for the acute treatment of  
migraine in the  
emergency department  
Pfizer, Inc.

Co-investigator  
\$471,208  
2025–2026

Evaluation of the Abbott  
i-STAT TBI biomarker  
test for sample  
concordance and for  
effect on decreasing CT  
utilization among adult  
emergency department  
patients with suspected  
traumatic brain injury  
Abbott, Inc.

Co-investigator  
\$831,633  
2025–2026

measure commensurate implementation and  
clinical outcomes.

The project objective is to streamline the detection  
and management of substance use and substance  
use disorders (SUDs) in The Mount Sinai  
Hospital's Article 28 prenatal clinic. We will  
adapt the 5Ps integrated screening tool for SUD  
screening, appropriate diagnostic and billing  
codes, as well as patient referrals into our  
standardized "smart set" CDSS for SBIRT in our  
clinic. The products of this work will be an Article  
28 prenatal clinic-adapted and integrated CDSS  
with a deployable implementation strategy plan.

The EMPOWERS project will improve the  
management of substance use disorders (SUDs) in  
pregnant and parenting women by developing an  
educational program for healthcare providers. We  
will first identify knowledge gaps through  
surveys, interviews, and focus groups with  
providers and patients. Based on these findings,  
we will create a comprehensive curriculum and  
educational materials. The program will be piloted  
with healthcare providers, then widely distributed.  
This initiative aims to enhance provider  
knowledge and skills, ultimately improving care  
quality for this vulnerable population.

This pilot study examines the utility of rimegepant  
ODT and zavegepant nasal spray for adult patients  
presenting to the emergency department with  
probable migraine on outcomes that include  
symptom improvement and length-of-stay.

This project consists of two parts. Part A:  
Determine the concordance between fingerstick-  
sampled capillary and phlebotomy-sampled  
venous whole blood GFAP and UCH-L1 values  
for the Abbott i-STAT TBI test among adult  
emergency department (ED) patients with  
suspected traumatic brain injury (TBI). Part B:  
Determine the extent to which ED physician  
consideration of i-STAT TBI test results reduces  
CT head imaging utilization and ED length-of-  
stay (LOS) among adult ED patients with  
suspected mild TBI

## **TRAINEES**

### **Undergraduate students**

<i>Name</i>	<i>Role in training, accomplishments, and inclusive dates of training</i>	<i>Training venue</i>
Kristina Casadei	Supervised summer internship and independent study project Accomplishment: co-author of peer-reviewed publication of study project 2003–2004	Brown University
Caleb Canders	Supervised summer internship and honors thesis advisor Accomplishment: author of peer-reviewed publication of thesis work 2006–2007	Brown University
Jacob Nettleton	Karen T. Romer Undergraduate Teaching and Research Award summer research program supervisor Accomplishment: co-author of two peer-reviewed publications of research program work 2007–2008	Brown University
Quentin Youmans	Supervised directed research project (BIO 195) and honors thesis advisor Accomplishment: author of peer-reviewed publication of thesis work 2008–2009	Brown University
Heidi Guzman	Supervised independent study research, summer research sponsored by NIDA supplement, and honors thesis advisor Accomplishment: abstract presentation at national meeting of thesis work 2009–2010	Brown University
Katherine Pleet	Supervised independent study and Karen T. Romer Undergraduate Teaching and Research Award summer research program Accomplishment: co-author of peer-reviewed publication of research program work 2010	Brown University
Tayler Schwartz	Honors thesis advisor Accomplishment: author of peer-reviewed publication of honors thesis	Brown University

2012–2013

Wenli Shao	Lifespan/Tufts/Brown CFAR summer research supervisor Accomplishment: author of two peer-reviewed publications on research program work 2013	Brown University
Kimberly Snodgrass	NIDA Summer Research Internship Program Accomplishment: completed draft of revised substance use screening instrument 2019	University of Michigan
Lynn Bi	TechFoundation Remote Summer Internship Program Accomplishment: systematic review on pediatric emergency department HIV testing 2020	Columbia University
Lily Chau	Summer research internship Accomplishment: systematic review on lofexidine 2020	University of Massachusetts Amherst

### **Graduate Students**

<i>Name</i>	<i>Role in training, accomplishments, and inclusive dates of training</i>	<i>Training venue</i>
Bethany Catanzaro	Supervised summer internship and thesis advisor Accomplishments: co-author of two peer-reviewed publications 2005–2007	Brown University
Lisa (Asnis) Rosen	Supervised graduate assistantship and thesis advisor Accomplishments: author and co-author of multiple peer-reviewed publications 2008–2009	Brown University
Rachel Popick	Thesis advisor (Master of Public Health) Accomplishments: co-author of peer-reviewed publication on thesis work 2008–2009	Brown University
Sarah Freelove	Supervised research project Accomplishment: co-author of peer-reviewed publication on research project 2009–2010	University of Massachusetts, Amherst
Alexis Trillo	Supervised graduate assistantship sponsored by NIDA diversity supplement to BIDMED study	Rhode Island College

	Accomplishments: author of two peer-reviewed publications on research project 2010–2012	
Miao Tai	Supervised graduate assistantship and thesis advisor (Master of Science) Accomplishments: author and co-author of multiple peer-reviewed publications 2011–2013	Brown University
Wentao Guan	Supervised graduate assistantship and thesis advisor (Master of Science) Accomplishments: author and co-author of multiple peer-reviewed publications 2013–2015	Brown University
Zhongli Zhang, PhD	Thesis advisor (Master of Science) Accomplishments: co-author of peer-reviewed publication of thesis work 2014–2015	Brown University
Kelsey Alexovitz	Supervised summer research project Accomplishment: author of peer-reviewed publication on research project 2016	Brown University
Anna Wentz, MPH	Supervised graduate assistantship, dissertation advisor/chair (Doctor of Philosophy) Accomplishments: abstract presentations, author of peer-reviewed publication 2016–date	Brown University
Mahmoud Azqul, MD, MPH	Thesis advisor (Master of Medical Science in Clinical Investigation) Accomplishment: two manuscripts prepared for thesis and submitted for publication 2020–2022	Harvard Medical School

### **Medical Students**

<i>Name</i>	<i>Role in training, accomplishments, and inclusive dates of training</i>	<i>Training venue</i>
Cynthia Vuittonet	Supervisor of summer research assistantship program Accomplishment: co-author of peer-reviewed publication on research program work 2006	Brown University
Erin Kelly	Supervisor of summer research assistantship program in emergency medicine	Brown University

	Accomplishment: co-author of two peer-reviewed publications on research program work 2007	
Bradford Cotter	Supervisor of summer assistantship program Accomplishment: author of one and co-author of another peer-reviewed publication on research work 2010	Brown University
Deidrya A.E. Jackson	Supervisor of summer research assistantship program Accomplishment: author of one and co-author of another peer-reviewed publication on research work 2010	Brown University
David Corner and Eduardo Garza	Supervisor of summer research program Accomplishment: co-authors of peer-reviewed publication on research 2014	Brown University
Boyd Qu	Supervisor of summer research assistantship program and global health summer scholars program Accomplishment: author of a peer-reviewed publication on research 2018	Brown University
Chinweoke Osigwe	Supervisor of Dean's Summer Research Program Accomplishment: prepared draft of PrEP screening tool 2019	University of Pittsburgh
Rana Prathap Padappayil, MBBS	Supervision of research traineeship at Brigham and Women's Hospital Accomplishment: secured internal medicine residency position in New Jersey, assisted with grant applications, presented case at a national meeting 2019–2020	Brigham and Women's Hospital All India Institute of Medical Sciences, Bhopal, India (graduate)

### **Residents**

<i>Name</i>	<i>Role in training, accomplishments, and inclusive dates of training</i>	<i>Training venue</i>
Megan Ranney, MD	Research project on emergency contraception Accomplishment: author of peer-reviewed publication on research project 2004–2005	Brown University
Jennifer Damergis, MD	Research project on emergency medicine patient contraceptive practices	Brown University

	Accomplishment: co-author of peer-reviewed publication on research project 2005–2006	
Kerlen Chee, MD	Research project on blood/body fluid exposure epidemiology Accomplishment: co-author of peer-reviewed publication on research project 2005–2006	Brown University
Allyson McGregor, MD	Research project on women’s preventive health preferences Accomplishment: co-author of peer-reviewed publication on research project 2006–2007	Brown University
Christopher Zabbo, DO	Research project on human bite injuries Accomplishment: co-author of peer-reviewed publication on research project 2007–2008	Brown University
Benjamin Phillips, MD	Research project on STD and pregnancy prophylaxis after sexual assault Accomplishment: co-author of peer-reviewed publication on research project 2007–2008	Brown University
Tse Chiang Lau, MD	Research project on adult sexual assault evaluations epidemiology Accomplishment: co-author of peer-reviewed publication on research project 2007–2008	Brown University
Francesca Beaudoin, MD, MS	Research project on ultrasound-guided procedures and pain relief Accomplishment: author of two peer-reviewed publications on research projects 2009–2010	Brown University
Kimberly Pringle, MD	Research project on HIV self-perceived vs. actual risk Accomplishment: author of peer-reviewed publication on research project 2012–2013	Brown University
Tess Wiskel, MD	Research project on HIV testing in Belize Accomplishment: author of peer-reviewed publication on research project 2016–2018	Brown University

Christopher Bennett, MD	Research project on HIV self-perceived vs. reported risk Accomplishment: two peer-reviewed publications on HIV testing and risk 2018–2020	Harvard University
-------------------------	---	--------------------

### **Fellows and junior faculty**

<i>Name</i>	<i>Role in training, accomplishments, and inclusive dates of training</i>	<i>Training venue</i>
Aris Garro, MD, MPH	Research mentor on NHAMCS pediatric asthma treatment project Accomplishment: author of peer-reviewed publication on research project 2006–2007	Brown University
Daniel Tsze, MD, MPH	Research mentor on NHAMCS appendicitis imaging project Accomplishment: author of peer-reviewed publication on research project 2007–2008	Brown University
Michael Waxman, MD	Research mentor, NIH LRP Supervisor Accomplishments: Multiple peer-reviewed publications 2007–2011	Brown University
Christopher Merritt, MD, MPH	Research mentor on soft tissue infections project Accomplishments: author of peer-reviewed publication on research project; submission of NIH R21 grant proposal; recipient of departmental research grant to support project 2010–2011	Brown University
Francesca Beaudoin, MD, MS	Research fellowship director and research mentor, dissertation advisor, COBRE mentor Accomplishments: author of multiple peer-reviewed publications, secured AHRQ K12 position, published articles from doctoral dissertation, multiple grant awards, R01 award 2013–2019	Brown University
Elizabeth Goldberg, MD	Research mentor and thesis advisor Accomplishments: author of multiple peer-reviewed publications, multiple grant awards, receipt of NIA K76 career development award 2015–date	Brown University



Laura McPeake, MD	Faculty development mentor and thesis advisor Accomplishment: presentation of abstract at national meeting on physician wellness 2016–2018	Brown University
Keith Corl, MD	Research mentor, Brown University Department of Emergency Medicine Accomplishments: author of multiple peer-reviewed publications, K23 career development award submission, F32 award submission, receipt of NIH LRP grant 2016–2021	Brown University
Elizabeth Samuels, MD, MPH	Research mentor, Brown University Department of Emergency Medicine, KL2 mentor Accomplishments: submission of grant applications for grants from NIH LRP, SAEMF, Brown University CTR KL2, and COBRE 2018–2022	Brown University
Eric Goralnick, MD	Research mentor, Brigham and Women’s Hospital Department of Emergency Medicine Accomplishments: submission of grant applications for NIH LRP and private foundations 2018–2021	Brigham and Women’s Hospital
Eric Nilles, MD	Research mentor, Brigham and Women’s Hospital Department of Emergency Medicine Accomplishments: CDC R01 grant received, submission of NIH LRP and R01 grant applications 2018–2021	Brigham and Women’s Hospital
Noah Rosenberg, MD	Research mentor, The Miriam Hospital NIDA T32 research fellowship Accomplishments: submission of grant applications to NIH LRP and private foundations 2019–2022	The Miriam Hospital
Breena Taira, MD, MPH	Research mentor, Olive View/UCLA Medical Center Accomplishments: submission of NIH R21 grant application 2019–2020	Olive View/UCLA Medical Center
Anas Banah, MBBS, MSHA	Mentorship: Trainee, Program in Emergency Department Leadership and Administration (PEDLA), Brigham and Women’s Hospital Accomplishments: research project on oncology patient emergency department boarding time and submission of manuscript 2019–2020	Brigham and Women’s Hospital

Areej Abudan, MBBS	Mentorship: Trainee, Program in Emergency Department Leadership and Administration (PEDLA), Brigham and Women's Hospital Accomplishments: two peer-reviewed publications on (a) systematic review on pediatric emergency department crowding measurements, and (b) projections on pediatric emergency medicine consultant need in Saudi Arabia 2019–2020	Brigham and Women's Hospital
Neha Goel, MD, MSCR	Research mentor, Division of Pulmonary, Critical Care and Sleep Medicine, Department of Medicine, Icahn School of Medicine at Mount Sinai Accomplishments: NHLBI K23 awardee (2023) 2021–date	Icahn School of Medicine at Mount Sinai
Rachel Solnick, MD, MSc	Research mentor, Department of Emergency Medicine, Icahn School of Medicine at Mount Sinai Accomplishments: peer-reviewed publication on pediatric ED HIV testing, NIMH K23 awardee (2024) 2021–date	Icahn School of Medicine at Mount Sinai
Madeline Renny, MD, MSc	Research mentor, Department of Emergency Medicine, Icahn School of Medicine at Mount Sinai Accomplishments: two peer-reviewed publications, NIDA K23 application, EMF grant awardee 2021–date	Icahn School of Medicine at Mount Sinai
Benjamin Wyler, MD, MPH	Research mentor, Department of Emergency Medicine, Icahn School of Medicine at Mount Sinai Accomplishments: National Foundation for Emergency Medicine grant awardee, Geosentinal/ISTM/CDC mpox grant awardee NIGMS K23 application 2021–date	Icahn School of Medicine at Mount Sinai
Leah Habersham, MD, MBA, MSCR	Research mentor, Department of Obstetrics and Gynecology, Icahn School of Medicine at Mount Sinai Accomplishments: National Institute of Health FIRST program recipient, OASAS grant awardee, NIDA R61/R33 application, SAMHSA application 2023–date	Icahn School of Medicine at Mount Sinai

## **TEACHING ACTIVITIES**

### **Teaching of Students in Courses:**

**Brown Medical School/Alpert Medical School of Brown University**

<i>Teaching Activity/Topic Role</i>	<i>Level of learners and venue</i>	<i>Number of hours week/month/year</i>	<i>Years Taught</i>
Clerkship in community health Small group leader	Brown Medical School pre-clinical students Brown Medical School; Providence, RI	Multiple meetings over one month	2004 2005 2006
Epidemiology in the practice of medicine Small group leader	Brown Medical School students Brown Medical School; Providence, RI	Multiple meetings over one month	2005 2008

**Brown University School of Public Health**

<i>Teaching Activity/Topic Role</i>	<i>Level of learners and venue</i>	<i>Number of hours week/month/year</i>	<i>Years Taught</i>
GPHP2320 Evaluation of Public Health Programs	Brown University School of Public Health Online Master of Public Health students Providence, RI	One-hour session/week	Spring 2025
GPHP2850 Public Health Communications	Brown University School of Public Health Online Master of Public Health students Providence, RI	One-hour session/week	Spring 2025

**Johnson and Wales University**

<i>Teaching Activity/Topic Role</i>	<i>Level of learners and venue</i>	<i>Number of hours week/month/year</i>	<i>Years Taught</i>
Research methods (College of Health and Wellness Physician Assistants Study Program) Journal club instructor	Johnson and Wales University Physician Assistant students Johnson and Wales University; Providence, RI	Five, one-hour sessions	2016– 2017
Research methods (College of Health and Wellness)	Johnson and Wales University Physician Assistant students	Two, one-hour sessions	2020

Physician Assistants Study Program) Journal club instructor	Johnson and Wales University; Providence, RI		
Research methods (College of Health and Wellness Physician Assistants Study Program) Journal club instructor	Johnson and Wales University Physician Assistant students Johnson and Wales University; Providence, RI	Two, one-hour sessions	2021
Research methods (College of Health and Wellness Physician Assistants Study Program) Journal club instructor	Johnson and Wales University Physician Assistant students Johnson and Wales University; Providence, RI	Two, one-hour sessions	2022

### Harvard Medical School

<i>Teaching Activity/Topic Role</i>	<i>Level of learners and venue</i>	<i>Number of hours week/month/year</i>	<i>Years Taught</i>
Introduction to Clinical Medicine (ICM) Transitions course, case interviews	Harvard Medical School students Harvard Medical School; Boston, MA	Four, three-hour sessions	2018
Giving bad news to patients OSCE	Harvard Medical School students Harvard Medical School; Boston, MA	Five, one-hour sessions	2019
Clinical Capstone Procedures Course	Harvard Medical School students Harvard Medical School; Boston, MA	One, four-hour session	2019
Introduction to Clinical Medicine (ICM) Transitions course, case interviews	Harvard Medical School students Harvard Medical School; Boston, MA	Four, three-hour sessions	2019
Introduction to Clinical Medicine (ICM) Transitions course, simulation	Harvard Medical School students Harvard Medical School; Boston, MA	Four, three-hour sessions	2019

Introduction to Clinical Medicine (ICM) STRATUS skills sessions	Harvard Medical School students Brigham and Women's Hospital Harvard Medical School; Boston, MA	Two, two-hour sessions	2020
Clinical Capstone EPA Assessments EPA 11: Informed consent	Harvard Medical School students Harvard Medical School; Boston, MA	One, two-hour session	2020
Developing Physician II Giving bad news to patients	Harvard Medical School students Harvard Medical School; Boston, MA	Two, four-hour sessions	2020
Transition to the Principal Clinical Experience Simulation Course STATUS airway skills sessions	Harvard Medical School students Brigham and Women's Hospital Harvard Medical School; Boston, MA	Three, three-hour sessions	2020
Transition to the Principal Clinical Experience Simulation Course Case Conference Series	Harvard Medical School students Harvard Medical School; Boston, MA	Two, four-hour sessions	2020
Master of Medical Sciences in Clinical Investigation, CI708 - Clinical Data Science: Design and Analytics II	Master of Medical Sciences in Clinical Investigation students Harvard Medical School; Boston, MA	Five, 1.5-hour lectures annually  Course project director	2020–2025  2022–2025

**Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-doctoral trainees):**

**Brown Medical School**

<i>Teaching Activity/Topic Role</i>	<i>Level of learners and venue</i>	<i>Number of hours week/month/year</i>	<i>Years Taught</i>
Nonoccupational HIV post-exposure prophylaxis guidelines for Rhode Island	Brown University emergency medicine residents Brown Medical School, Brown University Rhode Island Hospital	1 hour lecture	2002

## Lecturer

Blood or body fluid exposure management Lecturer	Brown University emergency medicine residents Brown Medical School, Brown University Rhode Island Hospital	1.5 hour lecture	2004
Performing the Rhode Island Sexual Assault Examination Kit Lecturer	Brown University emergency medicine interns Brown Medical School, Brown University Rhode Island Hospital	Annual two-hour training sessions	2004–2007
Blood or body fluid exposure and sexual assault prophylaxis: ED evaluation and management Lecturer	Brown University emergency medicine interns Brown Medical School, Brown University Rhode Island Hospital	1.5 hour lecture	2005–2007
Blood or body fluid exposure prophylaxis	Brown University infectious disease fellows Brown Medical School, Brown University The Miriam Hospital	1.5 hour lecture	2005
Evaluation and treatment of chlamydia, gonorrhea, and other sexually transmitted causes of urethritis Lecturer	Brown University emergency medicine residents Brown Medical School, Brown University Rhode Island Hospital	1 hour lecture	2006
Blood or body fluid exposure management Lecturer Seminar facilitator	Brown University emergency medicine interns Alpert Medical School of Brown University Rhode Island Hospital	Annual 1.5 hour lecture	2008–2017
Journal club orientation	Brown University emergency medicine interns Alpert Medical School of Brown University Rhode Island Hospital	Annual 1 hour seminar	2011–2017
Blood or body fluid exposures and post-	Brown University emergency medicine residents	1 hour lecture	2016

exposure prophylaxis management update Lecturer	Alpert Medical School of Brown University Rhode Island Hospital
---	---

### **Harvard Medical School**

<i>Teaching Activity/Topic Role</i>	<i>Level of learners and venue</i>	<i>Number of hours week/month/year</i>	<i>Years Taught</i>
Harvard Catalyst Mentee-Mentor Matching Program	Graduate students, post-docs, and junior faculty Harvard Clinical and Translational Science Center, Harvard Medical School	1 hour monthly (three cohorts, one year/cohort)	2018– 2021
Hospital-wide intern orientation	Hospital interns Brigham and Women’s Hospital STRATUS Center	One, 4-hour session	2019
Harvard Affiliated Emergency Medicine Residency Program	Resident report Brigham and Women’s Hospital	One, one-hour session	2019

### **Icahn School of Medicine at Mount Sinai**

Department of Emergency Medicine Fellowship Training Curriculum	Developing a Research Question	One, one-hour session	2021
Department of Emergency Medicine Fellowship Training Curriculum	Research Introduction and Fellowship Projects	Three, one-hour sessions annually	2022– 2024
Department of Emergency Medicine Emergency Medicine Residency Program	Research Education Month Mentor	Four weekly sessions, three months annually	2021– 2024

### **Formal Teaching of Peers (e.g., continuing medical education, other continuing education courses):**

#### **Brown Medical School/Alpert Medical School of Brown University**

<i>Teaching Activity/Topic</i>	<i>Level and Venue</i>	<i>Number of hours week / month / year</i>	<i>Years Taught</i>
------------------------------------	------------------------	--	-------------------------

*Role*

Updated blood or body fluid exposure management protocols	Brown Medical School, Brown University, Department of Emergency Medicine Research Retreat, Rhode Island Hospital Providence, RI	Single presentation	2004
Research proposal background and significance sections AND Structuring NIH biographical sketches	Alpert Medical School of Brown University, Department of Emergency Medicine Research Retreat, Rhode Island Hospital Providence, RI	Two presentations	2008
Faculty promotion workshop	Brown University Providence, RI	Single presentation	2011, 2013
Using CDC NCHS datasets for emergency medicine research	Alpert Medical School of Brown University, Department of Emergency Medicine Research Seminar, Rhode Island Hospital Providence, RI	Single presentation	2016
Research publishing ethics	Alpert Medical School of Brown University, Department of Emergency Medicine Research Seminar, Rhode Island Hospital Providence, RI	Single presentation	2016
Meta-analyses in emergency medicine research	Alpert Medical School of Brown University, Department of Emergency Medicine Research Seminar, Rhode Island Hospital Providence, RI	Single presentation	2017

**Harvard Medical School**

<i>Teaching Activity/Topic Role</i>	<i>Level of learners and venue</i>	<i>Number of hours week/month/year</i>	<i>Years Taught</i>
Brigham and Women's Hospital Physician Assistants Educational Conference	Journal club Brigham and Women's Hospital	One, one-hour session	2019
Brigham and Women's Hospital	Journal club Brigham and Women's Hospital	One, one-hour session	2020



Physician Assistants  
Educational  
Conference

How to find research funding	Department of Emergency Medicine, Brigham and Women's Hospital, Harvard Medical School Boston, MA	Single presentation	2020
------------------------------	--	---------------------	------

**Icahn School of Medicine at Mount Sinai**

<i>Teaching Activity/Topic Role</i>	<i>Level and Venue</i>	<i>Number of hours week / month / year</i>	<i>Years Taught</i>
Review of two 2023 LLSA review articles	Practicing emergency medicine physicians Clinical decision-making in emergency medicine (continuing medical education) Ponte Vedra, FL	Single presentation	2023

**Clinical Supervisory and Training Responsibilities:**

<i>Teaching Activity/Topic</i>	<i>Level of learners and venue</i>	<i>Number of hours week/month/year</i>	<i>Years Taught</i>
Attending physician and faculty supervisor	Medical students, advanced practice providers, and residents Rhode Island Hospital Emergency Department	16-24 hours/week	2001–2018
Attending physician and faculty supervisor	Medical students, residents and advanced practice providers Brigham and Women's Hospital Emergency Department	598 hours/year	2018–2021
Attending physician and faculty supervisor	Medical students, residents and advanced practice providers The Mount Sinai Hospital Emergency Department	384 hours/year	2021–date

**Laboratory and Other Research Supervisory and Training Responsibilities:**

<i>Role</i>	<i>Level of learners and venue</i>	<i>Number of hours week/month/year</i>	<i>Years Taught</i>
Research mentor and supervisor		1:1 supervision at least one hour weekly	2005–2018

	Graduate students in graduate assistantships in biostatistics, epidemiology and public health Brown University		
Supervisor	Four Latina Brown University undergraduate students NIDA American Recovery and Reinvestment Act (ARRA) Minority Summer Student Research Program Rhode Island Hospital	Group meetings at least one hour weekly for 10 weeks	2009
Supervisor	Two Latino/a Brown University undergraduate students as part of a NIDA Minority Summer Student Research Program Rhode Island Hospital	Group meetings and 1:1 supervision at least one hour weekly for 10 weeks	2010
Research Training Trainer	Program in Emergency Department Leadership and Administration (PEDLA) Brigham and Women's Hospital	Group meetings four hours monthly	2019–2020
Supervisor	Research trainees from University of Massachusetts, Amherst, Research Associates Program, Emergency Medicine, Brigham and Women's Hospital	1:1 supervision of at least two hours weekly during summer term and semesters	2019–2020

### **Teaching in Community**

*No presentations below were sponsored by outside entities.*

#### **Activities**

2001–2007	Sexual Assault and Trauma Resource Center, Providence, RI / Volunteer Instructor Quarterly training to sexual assault advocates on post-exposure prophylaxis provision
2003	Rhode Island Department of Corrections, Cranston, RI / Lecture Post-exposure prophylaxis after blood or body fluid exposures in the correctional setting Brown University AIDS Program, Program for Rhode Island Correctional Officers Provided lecture to correctional officers about blood or body fluid exposure management
2007	Northview High School, Johns Creek, GA / Lecture Career choices in medicine Provided lectures to groups of Northview High School students on medical careers
2015	Wheaton College, Norton, MA Deemer ethics and the professions series Case examples of ethical dilemmas arising in medical practice / Seminar Provided single-session seminar to Wheaton College undergraduate students

## Educational Material for Patients and the Lay Community:

*Books, monographs, articles and presentations in other media (e.g., video and websites, movies, television and radio) that educate the public about medicine, health or biomedical sciences*

1994	Going smoke/nicotine-free in four easy (?) classes	Two-part article on smoking/smokeless tobacco cessation (author)	<u>The Okinawa Marine</u> , November 18 and 23, 1994
1995	Trip through kindness	Letter to editor (author)	<u>Pacific Stars and Stripes</u> , May 8, 1995
2001	Health issues should be underlying part of Brown curriculum	Letter to editor (author)	<u>The Brown Daily Herald</u> , October 1, 2001
2003	Let's fight needless heroin-overdose deaths	Letter to editor (co-author)	<u>Providence Journal</u> , November 2, 2003
2005	Do you know about rapid HIV testing? (video)	Primary Author and Executive Producer Sponsor: Centers for Disease Control and Prevention, National Institute on Allergy and Infectious Diseases	
2007	Do you know about HIV testing? (video)	Primary Author and Executive Producer Sponsor: Abbott Diagnostics, Inc., California Department of Health, Centers for Disease Control and Prevention	
2012	What do you know about HIV testing? (video)	Primary Author and Executive Producer Sponsor: National Institute of Nursing Research	<a href="http://biomed.brown.edu/hiv-testing-video/">http://biomed.brown.edu/hiv-testing-video/</a>
2012	¿Qué sabes sobre el VIH y sobre las pruebas del VIH? (video)	Primary Author and Executive Producer Sponsor: National Institute of Nursing Research	<a href="http://biomed.brown.edu/hiv-testing-video/">http://biomed.brown.edu/hiv-testing-video/</a>
2018	O que sabes sobre o HIV e o teste ao HIV? (video) (European Portuguese)	Primary Author and Executive Producer Sponsor: National Institute on Drug Abuse	
2018			

2019	HIV/hepatitis C testing CDC (video)	Primary Author and Executive Producer Sponsor: National Institute on Drug Abuse
	HIV/hepatitis C persuasive health communication intervention	Primary Author and Executive Producer Sponsor: National Institute on Drug Abuse
2019	O que sabes voce sabe sobre o HIV e o teste de HIV? (video) (Brazilian Portuguese)	Primary Author and Executive Producer Sponsor: National Institute on Drug Abuse
	HIV/hepatitis C persuasive health communication intervention videos (four videos: English, Spanish, with and without captions)	Primary Author and Executive Producer Sponsor: National Institute on Drug Abuse

#### **Patient educational material**

2004–2018	Blood or body fluid exposure and HIV post- exposure prophylaxis patient materials	Produced and periodically revised patient educational materials for emergency department patients for Lifespan-affiliated hospitals
-----------	--	---

#### **ADMINISTRATIVE LEADERSHIP APPOINTMENTS**

##### **Administrative**

2025–date	Office of Faculty and Academic Affairs, University of South Florida Health Assistant Dean of Faculty Development
-----------	---

##### **Research or Clinical**

2005–2018	Department of Emergency Medicine, Alpert Medical School of Brown University Journal Club Director, Brown University, Department of Emergency Medicine
2010–2018	Department of Emergency Medicine, Alpert Medical School of Brown University Associate Director for Research
2012–2015	Department of Emergency Medicine, Alpert Medical School of Brown University Fellowship Director, Emergency Medicine Substance Abuse Research Fellowship

2014–2017	Department of Emergency Medicine, Alpert Medical School of Brown University Founding Chair, annual Research Symposium
2018–2021	Department of Emergency Medicine, Brigham and Women’s Hospital Co-Director and Founder, Boston Regional Emergency Medicine K Club
2018–2021	Department of Emergency Medicine, Brigham and Women’s Hospital Associate Director of Research
2021–2021	Department of Emergency Medicine, Icahn School of Medicine at Mount Sinai Associate Vice Chair of Research
2021–2024	Department of Emergency Medicine, Icahn School of Medicine at Mount Sinai Director and Founder, Department of Emergency Medicine K Club
2021–2024	Department of Emergency Medicine, Icahn School of Medicine at Mount Sinai Director and Founder, Research Education Month EM2 rotation
2021–2024	Department of Emergency Medicine, Icahn School of Medicine at Mount Sinai System Vice Chair of Research
2025–date	Department of Emergency Medicine, University of South Florida Morsani College of Medicine Vice Chair of Research

## **PUBLICATIONS**

### **Peer-Reviewed Scholarship in print or other media:**

#### **Research Investigations**

1. Keshavarz R, **Merchant RC**, McGreal J. Emergency contraception: a survey of emergency department practitioners. *Acad Emerg Med*. 2002;9(1):69-74.
2. Rich JD, Macalino G, **Merchant RC**, Salas C, Marcussen P, Grundy M, Spaulding A. HIV seroprevalence of adult males incarcerated for a sexual offense in Rhode Island, 1994-1999. *JAMA*. 2002;288(2):164-5.
3. **Merchant RC** and Keshavarz R. HIV postexposure prophylaxis practices by US ED practitioners. *Am J Emerg Med*. 2003;21(4):309-12.
4. **Merchant RC** and Keshavarz R. Emergency prophylaxis following needle stick injuries and sexual exposure: a survey of New York State emergency department practitioners. *Mt Sinai J Med*. 2003;70(5):338-43.
5. **Merchant RC**, Becker BM, Mayer KH, Fuerch J, Schreck B. Emergency department blood or body fluid exposure evaluations and HIV postexposure prophylaxis usage. *Acad Emerg Med*. 2003;10(12):1345-53.
6. **Merchant RC**, Keshavarz R, Low C. HIV post-exposure prophylaxis provided to adolescent females after sexual assault at an urban pediatric emergency department. *EMJ*. 2004;21(4):449-51.
7. **Merchant RC**, Jongco AM, and Woodward L. Disclosure of sexual orientation by medical students and residency applicants. *Acad Med*. 2005;80(8):786.
8. **Merchant RC**, Fuerch F, Becker BM, and Mayer KH. A comparison of the epidemiology of human bites evaluated at three pediatric emergency departments. *Pediatr Emerg Care*. 2005;21(12):833-8.
9. **Merchant RC** and Keshavarz R. Patterns in the offering of hepatitis B prophylaxis offering by US emergency department physicians. *Infect Control Hosp Epidemiol*. 2006;27(7):764-6.

10. **Merchant RC**, Schwartzapfel BL, Wolf FA, Li W, Carlson L, and Rich JD. Demographic, geographic, and temporal patterns of ambulance runs for suspected opiate overdose in Rhode Island, 1997-2002. *Subst Use Misuse*. 2006;41(9):1209-26.
11. **Merchant RC**, Damergis JA, Gee EM, Bock BC, Becker BM, and Clark MA. Contraceptive usage, knowledge, and correlates of usage among female emergency department patients. *Contraception*. 2006;74(3):201-7.
12. **Merchant RC**, Gee EM, Bock BC, Becker BM, and Clark MA. Correlates of women's cancer screening and contraceptive knowledge among female emergency department patients. *BMC Women's Health*. 2007;7(1):7.
13. **Merchant RC**, Vuittonet CL, Clark MA, Gee EM, Bock BC, and Becker BM. Implications of question format in emergency department preventive health knowledge surveys. *Acad Emerg Med*. 2007;14(6):549-57.
14. **Merchant RC**, McGregor AJ, Gee EM, Bock BC, Becker BM, and Clark MA. Women's preventive health preferences in the Rhode Island Hospital Emergency Department. *Med Health RI*. 2007;90(8):235-7.
15. **Merchant RC**, Katzen JB, Mayer KH, and Becker BM. Emergency department evaluations of non-percutaneous blood or body fluid exposures during CPR. *Prehosp Disaster Med*. 2007;22(4):330-4.
16. **Merchant RC**, Gee EM, Clark MA, Mayer KH, Seage GR III, and DeGruttola VG. Comparison of patient comprehension of rapid HIV pre-test fundamentals by information delivery format in an emergency department setting. *BMC Public Health*. 2007;7:238.
17. **Merchant RC**, Zabbo CP, Mayer KH, and Becker BM. Factors associated with delay to ED presentation, antibiotic usage, and admission for human bite injuries. *CJEM*. 2007;9(6):441-8.
18. **Merchant RC**, Casadei K, Gee EM, Bock BC, Becker BM, and Clark MA. Patients' emergency contraception knowledge, usage, and view of the emergency department role for emergency contraception. *J Emerg Med*. 2007;33(4):367-75.
19. **Merchant RC**, Seage III GR, Mayer KH, Clark MA, DeGruttola VG, and Becker BM. Emergency department patient acceptance of opt-in, universal rapid HIV screening. *Public Health Rep*. 2008;123(Supplement 3): 27-40.
20. **Merchant RC**, Kelly ET, Mayer KH, Becker BM, and Duffy SJ. Trends of visits to Rhode Island emergency departments for pediatric sexual exposures, 1995-2001. *Med Health RI*. 2008;91(1):15-9.
21. **Merchant RC**, Mayer KH, Becker BM, DeLong AK, and Hogan JW. Predictors of the initiation of HIV post-exposure prophylaxis in Rhode Island emergency departments. *AIDS Patient Care STDS*. 2008;22(1): 41-52.
22. **Merchant RC**, Chee KJ, Liu T, and Mayer KH. Incidence of visits for health care worker blood or body fluid exposures and HIV post-exposure prophylaxis provision at Rhode Island emergency departments. *JAIDS*. 2008;47(3):358-68.
23. **Merchant RC**, Phillips BZ, DeLong AK, Mayer KH, and Becker BM. Disparities in the provision of sexually transmitted disease and pregnancy testing and prophylaxis for sexually assaulted women in Rhode Island emergency departments. *J Womens Health*. 2008;17(4):619-29.
24. **Merchant RC**, Kelly ET, Mayer KH, Becker BM, Duffy SJ, and Pugatch DL. Compliance in Rhode Island emergency departments with American Academy of Pediatrics recommendations for adolescent sexual assaults. *Pediatrics*. 2008;121:e1660-7.
25. **Merchant RC**, Nettleton JE, Mayer KH, and Becker BM. HIV post-exposure prophylaxis among police and corrections officers. *Occup Med*. 2008;58:502-05.
26. **Merchant RC**, Gee EM, Beck BC, Becker BM, and Clark MA. Negative opinions about cancer screening and contraceptive measures by female emergency department patients. *J Prim Prev*. 2008;29:517-33.
27. **Merchant RC**, Nettleton JE, Mayer KH, and Becker BM. Blood or body fluid exposures and HIV PEP utilization among first responders. *Prehosp Emerg Care*. 2009;13:6-13.
28. **Merchant RC**, Lau TC, Liu T, Mayer KH, and Becker BM. Adult sexual assault evaluations at Rhode Island emergency departments, 1995-2001. *J Urban Health*. 2009;86(1):43-53.

29. **Merchant RC**, Clark MA, Mayer KH, Seage III GR, DeGruttola VG, and Becker BM. Video as an effective method of delivering pretest information for rapid human immunodeficiency virus testing. *Acad Emerg Med*. 2009;16:124-35.
30. **Merchant RC**, Clark MA, Seage III GR, Mayer KH, DeGruttola VG, and Becker BM. Emergency department patient perceptions and preferences on opt-in rapid HIV screening program components. *AIDS Care*. 2009;21(4):490-500.
31. **Merchant RC**, Catanzaro BM, Seage III GR, Mayer KH, Clark MA, DeGruttola VG, and Becker BM. Demographic variations in HIV testing history among emergency department patients: implications for HIV screening in US emergency departments. *J Med Screen*. 2009;16(2):60-66.
32. **Merchant RC**, DePalo DM, Stein MD, and Rich JD. Adequacy of testing, empiric treatment, and referral for adult male emergency department patients with possible chlamydia and/or gonorrhea urethritis. *Int J STD AIDS*. 2009;20:534-539.
33. **Merchant RC** and Catanzaro BM. HIV testing in US emergency departments, 1993-2004. *Am J Emerg Med*. 2009; 27(7):868-74.
34. **Merchant RC**, Clark MA, Langan IV TJ, Seage III GR, Mayer KH, and DeGruttola VG. Effectiveness of increasing emergency department patients' self-perceived risk for being human immunodeficiency virus (HIV) infected through audio-computer self-interview-based feedback about reported HIV risk behaviors. *Acad Emerg Med*. 2009;16:1143-55.
35. \*\*Beaudoin FL, Nagdev AN, **Merchant RC**, and Becker BM. Ultrasound-guided femoral nerve blocks in elderly patients with hip fractures. *Am J Emerg Med*. 2010; 28(1):76-81.
36. **Merchant RC**, DePalo DM, Liu T, Rich JR, and Stein MD. Developing a system to predict laboratory-confirmed chlamydial and/or gonococcal urethritis among adult emergency department patients. *Postgrad Med J*. 2010;122(1):52-60.
37. **Merchant RC**, Freelove SM, Langan IV TJ, Clark MA, Mayer KH, Seage III GR, and DeGruttola VG. The relationship of reported HIV risk and history of HIV testing among emergency department patients. *Postgrad Med J*. 2010;122(1):61-74.
38. \*\*Youmans Q, **Merchant RC**, Baird JR, Langan IV TJ, and Nirenberg T. Prevalence of alcohol, tobacco, and drug misuse among Rhode Island Hospital Emergency Department patients. *Med Health RI*. 2010;93(2):44-47.
39. Nagdev AD, **Merchant RC**, Tirado-Gonzalez A, Sisson CA, and Murphy MC. Emergency department bedside ultrasonographic measurement of the caval index for non-invasive determination of low central venous pressure. *Ann Emerg Med*. 2010;55(3):290-295.
40. Celada MT, **Merchant RC**, Waxman MJ, and Sherwin AM. An ethical evaluation of the 2006 Centers for Disease Control and Prevention recommendations for HIV testing in healthcare settings. *Am J Bioethics*. 2011;11(4):31-40.
41. **Merchant RC**, Clark MA, Langan IV TJ, Mayer KH, Seage III GR, and DeGruttola VG. Can computer-based feedback improve emergency department patient uptake of rapid HIV screening? *Ann Emerg Med*. 2011;58(1):S114-S119.
42. \*\*Waxman MJ, Popick RS, **Merchant RC**, Rothman RE, Shahan JB, and Almond G. Ethical, financial, and legal considerations to implementing emergency department HIV screening: A report from the 2007 conference of the National Emergency Department HIV Testing Consortium. *Ann Emerg Med*. 2011;58(1):S33-S43.
43. \*\*Garro A, Asnis L, **Merchant RC**, and McQuaid E. Frequency of prescription of inhaled corticosteroids to children with asthma from US emergency departments. *Acad Emerg Med*. 2011;18(7): 767-70.
44. \*\*Beaudoin FL, **Merchant RC**, Lincoln J, Gardiner F, Liebmann O, and Cohn J. Bedside ultrasound detects significant femoral vessel overlap: implications for central venous cannulation. *CJEM*. 2011;13(4):245-250.
45. \*\*Waxman MJ, **Merchant RC**, Celada MT, and Clark MA. Perspectives on the ethical concerns and justifications of the 2006 Centers for Disease Control and Prevention HIV testing recommendations. *BMC Medical Ethics*. 2011;12:24.

46. **Merchant RC**, Waxman MJ, Maher JG, Clark MA, Celada MT, Liu T, Simmons EM, Beckwith CG, and Mayer KH. Patient and clinician ethical perspectives on the 2006 Centers for Disease Control and Prevention HIV testing methods. *Public Health Rep.* 2012;127(3):318-329.
47. \*\*Tsze D, Asnis L, **Merchant RC**, Amanullah S, and Linakis JG. Increasing use of CT utilization in patients with appendicitis and discrepancies in pain management between adults and children: an analysis of the NHAMCS. *Ann Emerg Med.* 2012;59(5):395-403.
48. \*\*Rosen LA, Liu T, and **Merchant RC**. Efficiency of ICD-9 billing code searches to identify blood or body fluid exposure emergency department visits through a state-wide multi-center database. *Infect Control Hosp Epidemiol.* 2012;33(6):581-588.
49. \*\*Trillo A, **Merchant RC**, Baird J, Liu T, and Nirenberg T. Sex differences in alcohol misuse and estimated blood alcohol levels among emergency department patients: Implications for brief interventions. *Acad Emerg Med.* 2012;19:924-933.
50. \*\*Trillo AD, **Merchant RC**, Baird JR, Ladd GT, Liu T, and Nirenberg TD. Interrelationship of alcohol misuse, HIV sexual risk and HIV screening uptake among emergency department patients. *BMC Emerg Med.* 2013;13(1):9.
51. \*\*Jackson DAE, Cotter BV, **Merchant RC**, Babu KM, Baird JR, Nirenberg T, and Linakis JG. Behavioral and physiologic adverse effects in adolescent and young adult emergency department patients reporting use of energy drinks and caffeine. *Clin Toxicol.* 2013;51(7):557-65.
52. \*\*Cotter BV, Jackson DAE, **Merchant RC**, Babu KM, Baird JR, Nirenberg T, and Linakis JG. Energy drink and other substance usage among adolescent and young adult emergency department patients. *Pediatr Emerg Care.* 2013;29(10):1091-1097.
53. \*\*Pringle K, **Merchant RC**, and Clark MA. Is self-perceived HIV risk congruent with reported HIV risk among traditionally lower HIV risk and prevalence adult emergency department patients? Implications for HIV testing. *AIDS Patient Care STDS.* 2013;27(10):573-584.
54. \*\*Waxman MJ, **Merchant RC**, Celada MT, and Clark MA. Perspectives on the ethical concerns and justifications of the 2006 Centers for Disease Control and Prevention HIV testing recommendations: HIV screening policy changes. *BMC Med Ethics.* 2013;14(1):46.
55. \*\*Canders CP, **Merchant RC**, Pleet K, and Fuerch JH. Incidence of adjudicated internet-initiated sexual assault among US adolescents reported in newspapers, 1996-2007. *J Child Sex Abus.* 2013;22(8):987-99.
56. \*\*Merritt C, Haran JP, Mintzer J, Stricker J and **Merchant RC**. All purulence is local - Epidemiology and management of skin and soft tissue infections in three urban emergency departments. *BMC Emerg Med.* 2013;13:26.
57. **Merchant RC**, Baird JR, Liu T, and Taylor LE. HCV among The Miriam Hospital and Rhode Island Hospital adult ED patients. *RI Med J.* 2014;97(7):35-39.
58. \*\*Tai M and **Merchant RC**. HIV testing in US emergency departments, outpatient ambulatory medical departments, and physician offices, 1992-2010. *AIDS Care.* 2014;26(9):1105-8
59. **Merchant RC**, Baird JR, Liu T, Taylor LE, Montague BE, and Nirenberg TD. Brief intervention to increase emergency department uptake of combined rapid HIV and hepatitis C screening among a drug misusing population. *Acad Emerg Med.* 2014; 21:752-67.
60. \*\*Schwartz TM, Tai M, Babu KM, and **Merchant RC**. Lack of association between Press Ganey® emergency department patient satisfaction scores and emergency department administration of analgesic medications. *Ann Emerg Med.* 2014; 64(5):469-81.
61. \*\*Beaudoin F, Lin C, Guan W, and **Merchant RC**. Low dose ketamine improves pain relief in patients receiving intravenous opioids for acute pain in the emergency department: results of a randomized, double-blind, clinical trial. *Acad Emerg Med.* 2014;21(11):1194-1202.
62. Baird JR and **Merchant RC**. A randomized controlled trial of the effects of a brief intervention to increase uptake of chlamydia and gonorrhea testing uptake among young adult female emergency department patients. *Acad Emerg Med.* 2014; 21(12):1512-20.
63. Henderson AW, Babu KM, **Merchant RC**, and Beaudoin FL. Prescription opioid use and misuse among older adult Rhode Island Hospital Emergency Department patients. *RI Med J.* 2015; 98(3):28-31.



64. **Merchant RC**, Clark MA, Santelices CA, Liu T, Cortés DE. Efficacy of an HIV/AIDS and HIV testing video for Spanish-speaking Latinos in healthcare and non-healthcare settings. *AIDS Behav.* 2015;19(3):523-35.
65. \*\*Beaudoin FL, **Merchant RC**, Janicki A, McKaig DM, and Babu K, and. Preventing iatrogenic overdose: a review of in-emergency department opioid-related adverse drug events and medication errors. *Ann Emerg Med.* 2015;65(4):423-31.
66. \*\*Bernardino VL, Baird JR, Liu T, and **Merchant RC**. Comparison of substance-use prevalence among Rhode Island and The Miriam Hospital Emergency Department patients to state and national general population prevalence estimates. *RI Med J.* 2015;98(4):30-34.
67. \*\*Shao W, Guan W, Clark MA, Liu T, Santelices C, Cortes DE, and **Merchant RC**. Variations in recruitment yield, costs, speed and participant diversity across Internet platforms in a global study examining the efficacy of an HIV/AIDS and HIV testing animated and live-action video among English- or Spanish-speaking Internet or social media users. *Digit Cult Educ.* 2015;7(1):40-86.
68. \*\*Tai M, Liu T, and **Merchant RC**. Hospitalizations in the United States among HIV-infected individuals in short-stay hospitals, 1982-2010. *J Int Assoc Provid AIDS Care.* 2015;14(5):408-14.
69. **Merchant RC**, Baird JR, and Liu T. Short-term efficacy of a brief intervention to reduce drug misuse and increase drug treatment utilization among adult emergency department patients. *Acad Emerg Med.* 2015;22(10):1172-80.
70. **Merchant RC**, DeLong AK, Liu T, and Baird JR. Factors influencing uptake of rapid HIV and hepatitis C screening among drug misusing adult emergency department patients: implications for future HIV/HCV screening interventions. *AIDS Behav.* 2015;19(11):2025-35.
71. \*\*Beaudoin FL, **Merchant RC**, Baird JR, and Liu T. Sex differences in substance use among adult emergency department patients: prevalence, severity, and need for intervention. *Acad Emerg Med.* 2015;22(11):1307-15.
72. \*\*Guan W, Liu T, Baird JR, and **Merchant RC**. Evaluation of a brief intervention to reduce the negative consequences of drug misuse among adult emergency department patients. *Drug Alcohol Depend.* 2015;157:44-53.
73. **Merchant RC**, Corner D, Garza E, Guan W, Mayer KH, Brown L, and Chan PA. Preferences for HIV pre-exposure prophylaxis (PrEP) information among men-who-have-sex-with-men (MSM) at community outreach settings. *J Gay Lesbian Ment Health.* 2016;20(1):21-33.
74. **Merchant RC**, Liu T and Baird JR. Variations in the estimates of substance use and need for interventions among adult emergency department patients based on different screening strategies using the ASSIST. *West J Emerg Med.* 2016; 17(3):302-14.
75. \*\*Beaudoin FL, **Merchant RC**, and Clark MA. Prevalence and detection of prescription opioid misuse and prescription opioid use disorder among emergency department patients 50 years of age and older: performance of the Prescription Drug Use Questionnaire, Patient Version. *Am J Geriatr Psychiatry.* 2016;24(8):627-36.
76. \*\*Shao W, Guan W, Clark MA, Liu T, Santelices C, Cortes D, and **Merchant RC**. Does a video improve knowledge of HIV/AIDS and HIV testing among a global internet audience? *J Int Assoc Provid AIDS Care.* 2016;15(5):392-9.
77. \*\*Beaudoin FL, Gutman R, **Merchant RC**, Clark MA, Swor RA, Jones JS, Lee DC, Peak DA, Domeier RM, Rathlev NK, and McLean SA. Persistent pain after motor vehicle collision: Comparative effectiveness of opioids versus non-steroidal anti-inflammatory drugs prescribed from the emergency department-A propensity matched analysis. *Pain.* 2017;158(2):289-295.
78. **Merchant RC**, Clark MA, Liu T, Rosenberger JG, Romanoff J, Bauermeister J, and Mayer KH. Preferences for oral fluid rapid HIV self-testing among social media-using young black, Hispanic, and white men-who-have-sex-with-men (YMSM): implications for future interventions. *Public Health.* 2017;145:7-19
79. \*\*Goldberg EM, Wilson T, Saucier C, Brody AM, Levy PD, Eaton CB, and **Merchant RC**. Achieving the BpTRUth: emergency department hypertension screening and the Centers for Medicare and Medicaid Services Quality Measure. *J Am Soc Hypertens.* 2017;11(5):290-294.

80. \*\*Corl KA, George NR, Romanoff J, Levinson AT, Chheng DB, **Merchant RC**, Levy MM, and Napoli AM. Inferior vena cava collapsibility detects fluid responsiveness among spontaneously breathing critically-ill patients. *J Crit Care*. 2017;41:130-137.
81. **Merchant RC**, Romanoff J, Clark MA, Liu T, Rosenberger JG, Bauermeister J, and Mayer KH. Variations in recruitment yield and characteristics of participants recruited across diverse Internet platforms in an HIV testing study of young adult men-who-have-sex-with-men (YMSM). *Am J Mens Health*. 2017;11(5):1342-1357.
82. Marks SJ, **Merchant RC**, Clark MA, Liu T, Rosenberger JG, Bauermeister J, and Mayer KH. Potential healthcare insurance and provider barriers to PrEP utilization among young men who have sex with men. *AIDS Patient Care STDs*. 2017;31(11):470-478.
83. **Merchant RC**, Romanoff J, Zhang Z, Liu T, and Baird JR. Impact of a brief intervention on reducing alcohol use and increasing alcohol treatment services utilization among alcohol- and drug-using adult emergency department patients. *Alcohol*. 2017;65:71-80.
84. \*\*Goldberg EM, McCreedy E, Gettel C, and **Merchant RC**. Slipping through the cracks: A cross-sectional study examining older adult emergency department patient fall history, post-fall treatment and prevention. *RI Med J*. 2017;100(12):18-23.
85. \*\*Corl KA, Dado C, Agarwal A, Nader A, Amass T, Marks SJ, Levy MM, **Merchant RC**, and Aliotta J. A modified Montpelier protocol for intubating intensive care unit patients is associated with an increase in first-pass intubation success and fewer complications. *J Crit Care*. 2018;44:191-195.
86. \*\*Alexovitz KA, **Merchant RC**, Clark MA, Liu T, Rosenberger JG, Bauermeister JA, and Mayer KH. Discordance of voluntary HIV testing with HIV sexual risk-taking and self-perceived HIV infection risk among social media-using black, Hispanic, and white young-men-who-have-sex-with-men (YMSM). *AIDS Care*. 2018;30(1):81-85.
87. **Merchant RC**, Clark MA, Liu T, Romanoff J, Rosenberger JG, Bauermeister J, and Mayer KH. Comparison of home-based oral fluid rapid HIV self-testing vs. mail-in blood sample collection or medical/community HIV testing by young adult black, Hispanic, and white MSM: results from a randomized trial. *AIDS Behav*. 2018;22(1):337-346.
88. \*\*Beaudoin FL, Gutman R, Zhai W, **Merchant RC**, Clark MA, Bollen KA, Hendry PL, Kurz MC, Lewandowski C, Pearson C, O'Neil BJ, Datner E, Mitchell P, Domeier R, and McLean SA. Racial differences in presentations and predictors of acute pain following motor vehicle collision. *Pain*. 2018;159(6):1056-1063.
89. **Merchant RC**, Zhang Z, Zhang Z, Liu T and Baird JR. Lack of efficacy in a randomized trial of a brief intervention to reduce drug use and increase drug treatment services utilization among adult emergency department patients over a twelve-month period. *EMJ*. 2018;35(5):282-288.
90. \*\*Goldberg EM, Marks SJ, and **Merchant RC**. National trends in the emergency department management of adult patients with elevated blood pressure from 2005-2015. *J Am Soc Hypertens*. 2018;12(12):858-866.
91. \*\*Wentz A, **Merchant RC**, Clark MA, Liu T, Rosenberger JG, Bauermeister JA, and Mayer KH. Blood donation, sexual practices, and self-perceived risk for HIV in the United States among young adult men who have sex with men. *Pub Health Rep*. 2019;134(1):36-46.
92. \*\*Goldberg EM, Wilson T, Jambhekar B, Marks SJ, Boyajian M, and **Merchant RC**. Emergency department-provided home blood pressure devices can help detect undiagnosed hypertension. *High Blood Press Cardiovasc Prev*. 2019;26(1):45-53.
93. \*\*Corl KA, Prodromou M, **Merchant RC**, Gareen I, Marks S, Banerjee D, Amass T, Abbasi A, Delcompre C, Palmisciano A, Aliotta J, Jay G and Levy MM. The restrictive intravenous fluid trial in severe sepsis and septic shock (RIFTS): a randomized pilot study. *Crit Care Med*. 2019;47(7):951-959.
94. \*\*Wiskel T, **Merchant RC**, Habet M, and Mackey J. Developing an accident and emergency HIV testing program in Belize City: recommendations from key stakeholders. *J Int Assoc Provid AIDS Care*. 2019;18:1-10.

95. \*\*Gettel C, **Merchant RC**, Lee Y, Long S, Tam A, Marks S, Goldberg EM. The impact of incomplete nursing home transfer documentation on emergency department care. *J Am Med Dir Assoc*. 2019;20(8):935-941.
96. \*\*Qu B, Wiskel T, Macy J, Habet M, Marks SJ, and **Merchant RC**. Assessing HIV testing history, interest and HIV risk-taking among adult patients at the Karl Heusner Memorial Hospital Authority Emergency Department in Belize. *RI Med J*. 2019;102(8):37-41.
97. \*\*Goldberg EM, Marks SJ, Ilegbusi A, Resnik L, Strauss D, and **Merchant RC**. GAPcare: The Geriatric acute and post-acute fall prevention intervention in the emergency department. *J Am Geriatr Soc*. 2020;68(1):198-206.
98. \*\*Corl KA, Azab N, Nayeemuddin M, Schick A, Lopardo T, Zeba F, Phillips G, Baird G, **Merchant RC**, Levy MM, Blaivas M, and Abbasi A. Performance of a 25% inferior vena cava collapsibility in detecting fluid responsiveness when assessed by novice versus expert physician sonologists. *J Intensive Care Med*. 2020; 35(12):1520-1528.
99. \*\*Corl KA, Zeba F, Caffrey AR, Hermenau M, Lopes V, Phillips G, **Merchant RC**, Levy MM, and LaPlante KL. Delay in antibiotic administration is associated with mortality among septic shock patients with *Staphylococcus aureus* bacteremia. *Crit Care Med*. 2020;48(4):525-532.
100. **Merchant RC**, Marks SJ, Clark MA, Carey MP, and Liu T. Limited ability of three health literacy screening items to identify adult English- and Spanish-speaking emergency department patients with lower health literacy. *Ann Emerg Med*. 2020;75(6):691-703.
101. **Merchant RC**, Marks SJ, Clark MA, Carey MP and Liu T. Comparison of a video to a pictorial brochure in improving HIV/AIDS and HIV testing knowledge and increasing HIV testing motivation and behavioral skills among adult emergency department patients. *JACEP Open*. 2020;202-213.
102. \*\*Bennett CL, Marks SJ, Rosenberger JG, Bauermeister JA, Clark MA, Liu T, Mayer KH, **Merchant RC**. Factors associated with the discordance between perception of being HIV infected and HIV sexual risk-taking among social media-using black, Hispanic, and white young-men-who-have-sex-with-men. *J Int Assoc Provid AIDS Care*. 2020;19:1-6.
103. Murphy L, Paolucci G, Pittenger L, Akande M, Marks SJ and **Merchant RC**. Evaluation of an advanced practice provider emergency department critical care step-down unit. *JACEP Open*. 2020;1:392-402.
104. \*\*Goldberg EM, Marks SJ, **Merchant RC**, Nagy JL, Aquilante Jr JA, and Beaudoin FL. How accurately do older adult emergency department patients recall their medications? *Acad Emerg Med*. 2021;28(2):248-252.
105. Abbasi A, Nayeemuddin M, Azab N, Schick A, Lopardo T, Phillips GS, **Merchant RC**, Levy M, Blaivas M, and Corl KA. Respiratory variation in carotid artery peak systolic velocity is unable to predict fluid responsiveness in spontaneously breathing critically ill patients when assessed by novice physician sonologists. *J Intensive Care Med*. 2021;36(8):885-892.
106. Abbasi A, Krix M, Azab N, Nayeemuddin M, Schick A, Lopardo T, Phillips GS, **Merchant RC**, Levy M, Blaivas M, and Corl KA. Change in carotid blood flow and carotid corrected flow time assessed by novice sonologists fails to determine fluid responsiveness in spontaneously breathing intensive care unit patients. *Ultrasound Med Biol*. 2020;46(10):2659-2666.
107. \*\*Wentz A, Wang RR, Marshall BD, Shireman TI, Liu T, and **Merchant RC**. Variation in opioid analgesia administration and discharge prescribing for ED patients with suspected urolithiasis. *Am J Emerg Med*. 2020;38(10):2119-2124.
108. \*\*Goldberg EM, Marks SJ, Resnik LJ, Long S, Mellott H, and **Merchant RC**. Can an emergency department initiated intervention prevent subsequent falls and healthcare utilization in older adults? A randomized controlled trial. *Ann Emerg Med*. 2020;76(6):739-750.
109. Murphy L, Paolucci G, Pittenger L, Akande M, and **Merchant RC**. Stakeholder perspectives on improving an Advanced Practice Provider Emergency Department Critical Care Step Down Unit. *J Nurse Pract*. 2021;17(1):119-122.
110. \*\*Beaudoin FL, Zhai W, **Merchant RC**, Clark MA, Kurz MC, Hendry P, Swor RA, Peak D, Jones J, Pearson C, Datner E, Mitchell P, Domeier R, Rosenberg M, Ortiz C, and McLean SA. Prediction of

- persistent and widespread pain among African-Americans six weeks after motor vehicle collision: an emergency department-based cohort study. *West J Emerg Med*. 2020;22(2):139-147.
111. Joormann J, McLean SA, Beaudoin FL, An X, Stevens JS, Zeng D, Neylan TC, Clifford G, Linnstaedt SD, Germine LT, Rauch S, Musey PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Fermann G, Hudak LA, Mohiuddin K, Murty V, McGrath ME, Haran JP, Pascual J, Seamon M, Peak DA, Pearson C, Domeier RM, Sergot P, **Merchant RC**, Sanchez LD, Rathlev NK, Peacock WF, Bruce SE, Barch D, Pizzagalli DA, Luna B, Harte SE, Hwang I, Lee S, Sampson N, Koenen KC, Ressler K, Kessler RC. Socio-demographic and trauma-related predictors of depression within eight weeks of motor vehicle collision in the AURORA study. *Psychol Med*. 2020;1-14.
  112. \*\*Bennett CL, Marks SJ, Liu T, Clark MA, Carey MP, and **Merchant RC**. Factors associated with lack of HIV testing among Latino immigrant and Black patients at four geographically and demographically diverse emergency departments. *J Int Assoc Provid AIDS Care*. 2020;19:1-10.
  113. Blaivas M, Blaivas L, Phillips G, **Merchant RC**, Levy M, Abbasi A, Eickhoff C, Shapiro N, and Corl K. Development of a deep learning network to classify inferior vena cava collapse to predict fluid responsiveness. *J Ultrasound Med*. 2021;40(8):1495-1504.
  114. Beaudoin FL, Kessler RC, Hwang I, Lee S, Sampson NA, An X, Ressler KJ, Koenen KC, McLean SA, on behalf of the AURORA Study Group\* (Stevens JS, Zeng D, Neylan TC, Clifford GD, Linnstaedt, SD, Rauch S, House SL, Lewandowski C, Hendry PL, Shiekh S, Musey PI, Storrow AB, Haran JP, Jones CW, Punches BE, Lyons MS, Swor RA, McGrath ME, Mohiuddin K, Chang AM, Peak DA, Pearson C, Domeier RM, **Merchant RC**, Sanchez LD, Rathlev NK, Bruce SE, Pietrzak RH, Joormann J, Barch D, Pizzagalli DA, Sheridan SJ, Harte SE, and Elliott JM). Pain after a motor vehicle crash: the role of socio-demographics, crash characteristics and peri-traumatic stress symptoms. *Eur J Pain*. 2021;25(5)1119-1136.
  115. Marks SJ, **Merchant RC**, Clark MA, Liu T, Rosenberger JG, Bauermeister JA, and Mayer KH. Barriers to HIV testing and opportunities for expansion using home-based HIV self-testing: results of a national study of high-risk young men who have sex with men. *SAGE Open*. 2021;11(2):1-11.
  116. \*\*Goldberg E, Jimenez FN, Chen K, Davoodi NM, Li M, Strauss DH, Zou M, Guthrie K, and **Merchant RC**. Telehealth was beneficial during COVID-19 for older Americans: a qualitative study with physicians. *J Am Geriatr Soc*. 2021;69(11):3034-3043.
  117. \*\*Wentz AE, Wang RC, Marshall BDL, Shireman TI, Liu T, and **Merchant RC**. Opioid analgesics and persistent pain after an acute pain emergency department visit: evidence from a cohort of suspected urolithiasis patients. *J Emerg Med*. 2021;61(6):637-648.
  118. Ziobrowski HN, Kennedy CJ, Ustun B, House SL, Beaudoin FL, An X, Stevens JS, Zeng D, Neylan TC, Clifford GD, Jovanovic T, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI Jr., Hendry PL, Sheikh S, Jones CW, Punches BE, Lyons MS, Murty VP, McGrath ME, Pascual JL, Seamon MJ, Datner EM, Chang AM, Pearson C, Peak DA, Jambaulikar G, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Bruce SE, Pietrzak RH, Joormann J, Barch DM, Pizzagalli DA, Sheridan JF, Harte SE, Elliott JM, Petukhova M, Sampson NA, Puac-Polanco V, Lee S, van Rooij SJ, Koenen KC, Ressler KJ, McLean SA, Kessler RC. Development and validation of a model to predict posttraumatic stress disorder and major depression three months after a motor vehicle collision. *JAMA Psychiatry*. 2021;78(11):1228-1237.
  119. Krotulski AJ, Chapman BP, Marks SJ, Ontiveros ST, Devin-Holcombe K, Fogarty MF, Trieu H, Logan BK, **Merchant RC**, and Babu KM. Sentanyl: a comparison of blood fentanyl concentrations and naloxone dosing after non-fatal overdose. *Clin Toxicol (Phila)*. 2022;60(2):197-204.
  120. Seligowski AV, Steuber ER, Hinrichs R, Reda MH, Wiltshire CN, Wanna CP, Winters SJ, Phillips KA, House SL, Beaudoin FL, An X, Stevens JS, Zeng D, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Bollen KA, Guffanti G, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey Jr. PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Kurz MC, Murty VP, McGrath ME, Hudak LA, Pascual JL, Seamon MJ, Datner EM, Chang AM, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sanchez LD, Bruce SE, Miller MW, Pietrzak RH, Joormann J, Barch DM, Pizzagalli DA, Sheridan JF, Luna B, Harte SE, Elliot JM, Koenen KC, Kessler RC, McLean SA, Ressler KJ, and Jovanovic T. A



- prospective examination of sex differences in posttraumatic autonomic functioning. *Neurobiol Stress*. 2021;15:100384.
121. **Merchant RC**, Hernandez D, Estrela D, Fernandez E, Clark MA, and Carey MP. Development and refinement of a persuasive health communication intervention to persuade adult emergency department patients to be screened for HIV and hepatitis C. *Sage Open*. 2021;11(3):1-11.
  122. Harnett NG, Dumornay NM, Delity M, Sanchez LD, Mohiuddin K, Musey PI Jr., Seamon MJ, McLean SA, Kessler RC, Koenen KC, Beaudoin FL, Lebois L, van Rooij SJ, Sampson NA, Michopoulos V, Maples-Keller JL, Haran JP, Storror AB, Lewandowski C, Hendry PL, Sheikh S, Jones CW, Punches BE, Kurz MC, Swor RA, McGrath ME, Hudak LA, Pascual JL, House SL, An X, Stevens JS, Neylan TC, Linnstaedt SD, Germine LT, Datner EM, Chang AM, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Bruce SE, Miller MW, Pietrzak RH, Joormann J, Barch DM, Pizzagalli DA, Sheridan JF, Smoller JW, Luna B, Harte SE, Elliott JM, and Ressler KJ. Prior differences in previous trauma exposure primarily drive the observed racial/ethnic differences in posttrauma depression and anxiety following a recent trauma. *Psychol Med*. 2022;1-10.
  123. \*\*Goldberg EM, Lin MP, Burke LG, Jimenez FN, Davoodi NM, and **Merchant RC**. Perspectives on telehealth for older adults during the COVID- 19 pandemic using the quadruple aim: interviews with 48 physicians. *BMC Geriatr*. 2022;22(1):188.
  124. \*\*Abudan A, Baker O, Yousif A, and **Merchant RC**. Projected Saudi Arabian pediatric emergency consultant physician staffing needs for 2021-2030. *J Am Coll Emerg Physicians Open*. 2022;3(1):e12644.
  125. \*\*Rosenberg N, Hill A, Johnsky L, Wiegand D, and **Merchant RC**. Barriers and facilitators associated with establishment of emergency department-initiated buprenorphine for opioid use disorder in rural Maine. *J Rural Health*. 2022;38(3):612-619.
  126. **Merchant RC**, Marks SJ, Clark MA, Carey MP, and Liu T. Abbreviated versions of the shortened assessment of health literacy for adult emergency department patients: Derivation and testing. *Cogent Pub Health*. 2022;9(1):2024698.
  127. Punches B, Stolz U, Freiermuth C, Ancona R, House S, Beaudoin F, Xinming A, Stevens J, Zeng D, Neylan TC, Clifford GC, Jovanovic T, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storror AP, Lewandowski C, Musey PI, Hendry PL, Sheikh S, Jones CW, Kurz MC, Gentile NT, McGrath ME, Hudak LA, Pascual JL, Seamon MJ, Harris E, Chang AM, Pearson C, Peak DA, **Merchant RC**, Domeier RB, Rathlev NK, O'Neil BJ, Sanchez LD, Bruce SE, Pietrzak R, Joormann J, Barch DM, Pizzagalli DA, Smoller JW, Luna B, Harte SE, Elliott J, McLean S, Kessler RC, Koenen KC, Ressler KJ, and Lyons MS. Predicting at-risk opioid use three months after ED visit for trauma: results from the AURORA study. *PLOS One*. 2022;17(9):e0273378.
  128. \*\*Wentz AE, Wang RC, Marshall BDL, Shireman TI, Liu T, and **Merchant RC**. Opioid analgesic use after an acute pain visit: Evidence from a urolithiasis patient cohort. *West J Emerg Med*. 2022;23(6):864-871.
  129. Short NA, van Rooij SJH, Murty VP, Stevens JS, An X, Ji Y, McLean SA, House SL, Beaudoin FL, Zeng D, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Lewandowski C, Musey PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Swor RA, McGrath ME, Hudak LA, Pascual JL2, Seamon MJ, Datner EM, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Bruce SE, Pietrzak RH, Joormann J, Barch DM, Pizzagalli DA, Sheridan JF, Smoller JW, Harte SE, Elliott JM5, Kessler RC, Koenen KC, Jovanovic T. Anxiety sensitivity as a transdiagnostic risk factor for trajectories of adverse posttraumatic neuropsychiatric sequelae in the AURORA study. *J Psychiatr Res*. 2022;156:45-54.
  130. Nilles EJ, Paulino CT, de St. Aubin M, Restrepo AC, Mayfield H, Dumas D, Finch E, Garnier S, Iselin L, Duke W, Jarolim P, Oasan T, Yu J, Wan H, Peña F, Iihoshi N, Abdalla G, Lopez B, de la Cruz L, Henríquez B, Espinosa-Bode A, Cornelio Puella Y, Durski K, Baldwin M, Alejandro Baez A, **Merchant RC**, Barouch D, Skewes-Ramm R, Zielinski Gutiérrez E, Kucharski A, and Lau C. SARS-CoV-2 seroprevalence, cumulative infections, and immunity to symptomatic infection – a multistage national household survey and modeling study, Dominican Republic, June–October 2021. *Lancet Reg Health Am*. 2022;16:100390.

131. Jones WC, An X, Ji Y, Liu M, Zeng D, House SL, Beaudoin FL, Stevens JS, Neylan TC, Clifford GD, Jovanovic J, Linnstaedt SD, Germine GT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey Jr. PI, Hendry PL, Sheikh S, Punches BE, Lyons MS, Kurz MC, Swor RA, McGrath ME, Hudak LA, Pascual JL, Seamon MJ, Datner EM, Harris E, Chang AM, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Bruce SE, Miller MW, Pietrzak RH, Joormann J, Barch DM, Pizzagalli DA, Sheridan JF, Smoller JW, Harte SE, Elliott JM, Koenen KC, Ressler KJ, Kessler RC, McLean SA. Derivation and validation of a brief ED-based prediction tool for posttraumatic stress after motor vehicle collision. *Ann Emerg Med.* 2023;81(3):249-261.
132. Straus LD, An X, Ji Y, Cakmak AS, Richards A, Clifford GD, Liu M, Zeng D, House SL, Beaudoin FL, Stevens JS, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI Jr., Hendry PL, Sheikh S, Jones CW, Punches BE, Kurz MC, Swor RA, Hudak LA, Seamon MJ, Datner EM, Chang AM, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Bruce SE, Miller MW, Pietrzak RH, Joormann J, Barch DM, Pizzagalli DA, Sheridan JF, Harte SE, Elliott JM, Kessler RC, Ressler KJ, Koenen KC, McLean SA, Neylan TC. Utility of wrist-wearable for assessing pain, sleep, and anxiety outcomes after traumatic stress exposure. *JAMA Psychiatry.* 2023;80(3):220-229.
133. Cowan EA, Brandspiegel S, Araki B, O'Brien-Lambert C, Buckner D, **Merchant RC**, Eiting E, and Calderon Y. The relationship of hepatitis C risk to hepatitis C test acceptance among adult patients participating in an emergency department hepatitis C screening program. *Emerg Med J.* 2023;40 (5):341-346.
134. Harnett NG, Fani N, Carter S, Sanchez LD, Rowland GE, Davie WM, Guzman C, Lebois LAM, Ely TD, van Rooij SJH, Seligowski AV, Winters S, Grasser LR, Musey PI, Seamon MJ, House SL, Beaudoin FL, An X, Zeng D, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Hendry PL, Sheikh S, Jones CW, Punches BE, Swor RA, Hudak LA, Pascual JL, Harris E, Chang AM, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, Bruce SE, Miller MW, Pietrzak RH, Joorman J, Barch DM, Pizzagalli DA, Harte SE, Elliott JM, Kessler RC, Koenen KC, McLean SA, Jovanovic T, Stevens JS, Ressler KJ. Structural inequities contribute to racial/ethnic differences in neurophysiological tone, but not threat reactivity, after trauma exposure. *Mol Psychiatry.* 2023;28(7):2975-2984.
135. Beaudoin FL, An X, Basu A, Ji Y, Liu M, Kessler RC, Dougherty RF, Bollen KA, House SL, Stevens JS, Neylan TC, Clifford GD, Jovanovic T, Linnstaedt SD, Germine LT, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Kurz MC, Swor RA, Murty VP, McGrath ME, Hudak LA, Pascual JL, Datner EM, Chang AM, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez, Bruce SE, Baker JT, Joormann J, Miller MW, Pietrzak RH, Barch DM, Pizzagalli, DA, Sheridan JF, Smoller JW, Harte SE, Elliott JM, Koenan KC, Ressler KJ, and McLean SA. Use of serial smartphone-based assessments to characterize diverse neuropsychiatric symptom trajectories in a large trauma survivor cohort. *Transl Psychiatry.* 2023;13(1):4.
136. Rowland GE, Roeckner A, Ely TD, Lebois LAM, van Rooij SJH, Bruce SE, Jovanovic T, House SL, Beaudoin FL, An X, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Kurz C, Gentile NT, Hudak LA, Pascual JL, Seamon MK, Harris E, Pearson C, **Merchant RC**, Domeier RM, Rathlev NK, Sergot P, Sanchez LD, Miller MW, Pietrzak RH, Joormann J, Pizzagalli DA, Sheridan JF, Smoller JW, Harte SE, Elliott JM, Kessler RC, Koenen KC, McLean SA, Ressler KJ, Stevens JS, and Harnett NG. Prior sexual trauma exposure impacts posttraumatic dysfunction and neural circuitry following a recent traumatic event in the AURORA study. *Biol Psychiatry Glob Open Sci.* 2023;3(4):705-715.
137. Hinojosa CA, Liew A, Xinming A, Stevens JS, Basu A, van Rooij SJH, Beaudoin FL, Zeng D, Neylan TC, Clifford GD, Jovanovic T, Linnstaedt SD, Germine LT, Bollen KA, Guffanti G, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Kurz MC, Swor RA, Gentile NT, Murty VP, Hudak LA, Pascual JL, Seamon MJ, Datner EM, Chang AM, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Paulina S, Sanchez LD, Bruce SE, Miller MW, Pietrzak RH, Joormann J, Barch DM, Pizzagalli DA, Sheridan JF, Smoller JW, Pace TWW, Luna B,

- Binder E, Harte SE, Elliott JM, Kessler RC, Koenen KC, McLean SA, Ressler KJ, and Fani N. Associations of alcohol and cannabis use with change in posttraumatic stress disorder and depression symptoms over time in recently trauma-exposed individuals. *Psychol Med*. 2023;13:1-12.
138. Wong SA, Lebois LAM, Ely TD, van Rooij SJH, Bruce SE, Murty VP, Jovanovic T, House SL, Beaudoin FL, An X, Zeng D, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI Jr, Hendry PL, Sheikh S, Jones CW, Punches BE, Kurz MC, Swor RA, Hudak LA, Pascual JL, Seamon MJ, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Miller MW, Pietrzak RH, Joormann J, Barch DM, Pizzagalli DA, Harte SE, Elliott JM, Kessler RC, Koenen KC, McLean SA, Ressler KJ, Stevens JS, Harnett NG. Internal capsule microstructure mediates the relationship between childhood maltreatment and PTSD following adulthood trauma exposure. *Mol Psychiatry*. 2023;23(12):5140-5149.
  139. Ziobrowski HN, Holt-Gosselin B, Petukhova MV, King AJ, Lee S, House SL, Beaudoin FL, An X, Stevens JS, Zeng D, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Kurz MC, Swor RA, Hudak LA, Pascual JL, Seamon MJ, Harris E, Pearson C, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Bruce SE, Miller MW, Pietrzak RH, Joormann J, Barch DM, Pizzagalli DA, Harte SE, Elliott JM, Ressler KJ, McLean SA, Koenen KC, Kessler RC. Childhood adversities and risk of posttraumatic stress disorder and major depression following a motor vehicle collision in adulthood. *Epidemiol Psychiatr Sci*. 2023;32:e1.
  140. Serina PT, Davoodi NM, Guthrie KM, **Merchant RC**, and Goldberg EM. Physician views of telehealth for special populations of older adults: preliminary findings. *J Patient Exp*. 2023;10:23743735231160418.
  141. Webb EK, Ely TD, Rowland GE, Levois LAM, van Rooij SJH, Bruce SE, Jovanovic T, House SL, Beaudoin FL, An X, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Swor RA, Pascual JL, Seamon MJ, Datner EM, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, Sergot P, Sanchez LD, Kessler RC, Koenen KC, McLean SA, Stevens JS, Ressler KJ, and Harnett NG. Neighborhood disadvantage and neural correlates of threat and reward processing in survivors of recent trauma. *JAMA Netw Open*. 2023;6(9):e2334483.
  142. Zeamer AL, Salive MC, An X, Beaudoin FL, House SL, Stevens JS, Zeng D, Neylan TC, Clifford GC, Linnstaedt SD, Rauch SL, Storrow AB, Lewandowski C, Musey PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Swor RA, Hudak LA, Pascual JL, Seamon MJ, Harris E, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Bruce SE, Kessler RC, Koenen KC, McLean SA, Bucci V, and Haran JP. Association between microbiome and the development of adverse posttraumatic neuropsychiatric sequelae after traumatic stress exposure. *Transl Psychiatry*. 2023;13(1):354.
  143. Ager EE, Sturdavant W, Curry Z, Ahmed F, DeJonckheere M, Gutting AA, **Merchant RC**, Kocher KE, and Solnick RE. Mixed-methods evaluation of an expedited partner therapy take-home medication program: pilot emergency department intervention to improve sexual health equity. *West J Emerg Med*. 2023;24(5):993-1004.
  144. \*\*Samuels EA, Goedel WC, Jent V, Conkey L, Hallowell BD, Karim S, Kosiol J, Becker S, Yorlets RR, **Merchant RC**, Keeler LA, Reddy N, McDonald J, Alexander-Scott N, Cerda M, Marshall BDL. Characterizing opioid overdose hotspots for place-based overdose prevention and treatment interventions: A geo-spatial analysis of Rhode Island, USA. *Int J Drug Policy*. 2024;125:104322.
  145. \*\*Azqul M, Krakower D, Kalim S, and **Merchant RC**. Emergency department visits in the United States by adults with a complaint of diarrhea (2016-2021). *JACEP Open*. 2024;5(1):e13105.
  146. Haering S, Seligowski AV, Linnstaedt SD, Michopoulos V, House SL, Beaudoin FL, An X, Neylan TC, Clifford GD, Germine LT, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Swor RA, Gentile NT, Hudak LA, Pascual JL, Seamon MJ, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sanchez LD, Bruce SE, Harte SE, McLean SA, Kessler RC, Koenen KC, Powers A, and Stevens JS. Disentangling sex differences in PTSD risk factors. *Nat Ment Health*. 2024;2(5):605-615.

147. van Rooij SJH, Santos J, Hinojosa CA, Ely TD, Harnett NG, Murty VP, Lebois L, Jovanovic T, House SL, Bruce SE, Beaudoin FL, An X, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI Jr, Hendry PL, Sheikh S, Jones CW, Punches BE, Swor RA, Pascual JL, Seamon MJ, Harris E, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sanchez LD, Joormann J, Pizzagalli DA, Sheridan JF, Harte SE, Kessler RC, Koenen KC, McLean SA, Ressler KJ, Stevens JS. Defining the r-factor for post-trauma resilience and its neural predictors. *Nat Ment Health*. 2024;2:680-693.
148. Seligowski AV, Harnett NG, Ellis RA, Grasser LR, Hanif M, Wiltshire C, Ely TD, Lebois LAM, van Rooij SJH, House SL, Beaudoin FL, An X, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI Jr, Hendry PL, Sheikh S, Jones CW, Punches BE, Swor RA, Hudak LA, Pascual JL, Seamon MJ, Harris E, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Bruce SE, Harte SE, Koenen KC, Kessler RC, McLean SA, Ressler KJ, Stevens JS, Jovanovic T. Probing the neurocardiac circuit in trauma and posttraumatic stress. *J Psychiatr Res*. 2024;176:173-181.
149. Haering S, Seligowski AV, Linnstaedt SD, Michopoulos V, House SL, Beaudoin FL, An X, Neylan TC, Clifford GD, Germine LT, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Swor RA, Gentile NT, Hudak LA, Pascual JL, Seamon MJ, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sanchez LD, Bruce SE, Harte SE, McLean SA, Kessler RC, Koenen KC, Powers A, Stevens JS and Powers A. Sex-dependent differences in vulnerability to early risk factors for posttraumatic stress disorder: results from the AURORA study *Psychol Med*. 2024;54:2876-2886.
150. Hyatt CS, Reddi PJ, Sharpe BM, Michopoulos V, van Rooij SJ, House SL, Beaudoin FL, An X, Stevens JS, Zeng D, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Lewandowski C, Musey Jr. PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Kurz MC, Swor RA, Hudak LA, Pascual JL, Seamon MJ, Harris E, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, Sergot P, Sanchez LD, Bruce SE, Miller MW, Pietrzak RH, Joormann J, Pizzagalli DA, Sheridan JF, Smoller JW, Harte SE, Elliott JM, McLean SA, Kessler RC, Ressler KJ, Koenen KC, Maples-Keller JL. Longitudinal associations between five factor model and impulsive personality traits and PTSD symptoms: Findings from the AURORA Study. *J Res Pers*. 2024;112:104524.
151. **\*\*Renny MH**, Berger JC, Mei C, Loo GT, Ansah JA, Severe AD, and **Merchant RC**. Substance use among youth presenting to the pediatric emergency department. *J Med Toxicol*. 2025;21(1):51-59.
152. Babu KM, Haddad YK, Causey ST, Vargas-Torres C, Martinez PM, Goldberg EM, Dorfman JD, Bleser JA, Chapman BP, Lai JT, Saif R, Elhoussan R, Graham LA, Krotulski AJ, Walton SE, Thomas FD, Logan BK, and **Merchant RC**. Detection of ethanol, cannabinoids, benzodiazepines, and opioids in older adults evaluated for serious injuries from falls. *Clin Toxicol (Phila)*. 2024;62(1):661-668.
153. Rosen R, Lantini R, Viamonte M, Alpert P, Carrico A, Chair PR, Frey J, **Merchant RC**, and Boyer E. User perspectives of digital pills and adherence support for HIV medication: a comparison of the etectRx ID-Capsule System™ and Wisepill dispenser. *Proc Annu Hawaii Int Conf Syst Sci*. 2025:3268-3277.
154. **Merchant RC**, Clark MA, Carey MP, Liu T, Loo G, and Cowan EA. Three pilot randomized controlled trials evaluating a persuasive health communication intervention for adult emergency department patients declining HIV/HCV testing. *J Sci Innov Med*. 2024; 7(1):3, 1-14.
155. Hinojosa CA, van Rooij SJH, Fani N, Ellis RA, Harnett NG, Lebois LAM, Ely TD, Jovanovic T, Murty VP, House SL, Beaudoin F, An X, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey Jr, PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Hudak LA, Pascual JL, Seamon MJ, Harris E, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Bruce SE, Pizzagalli DA, Sheridan JF, Harte SE, Koenen KC, Kessler RC, McLean S, Ressler KJ, and Stevens J. Reward neurocircuitry predicts longitudinal changes in traumatic stress-related alcohol use. *Biol Psychiatry Cogn Neurosci Neuroimaging*. 2025;10(3):314-323.
156. Guichard L, An X, Neylan TC, Clifford GD, Li Q, Ji Y, Macchio L, Baker J, Beaudoin FL, Jovanovic T, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey Jr. PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Swor RA, Gentile NT, Pascual JL, Seamon MJ, Datner



- EM, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Bruce SE, Sheridan JF, Harte SE, Ressler KJ, Koenen KC, Kessler RC, McLean SA. Heart rate variability wrist-wearable biomarkers identify adverse posttraumatic neuropsychiatric sequelae after traumatic stress exposure. *Psychiatry Res.* 2024;342:116260.
157. McKibben LA, Woolard A, McLean SA, Zhao Y, Verma T, Mickelson J, Lu H, Lobo J, House SL, Beaudoin FL, An X, Stevens JS, Neylan TC, Jovanovic T, Germine LT, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Hendry PL, Sheikh S, Jones CW, Punches BE, Hudak LA, Pascual JL, Seamon MK, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sanchez LD, Bruce SE, Sheridan JF, Kessler RC, Koenen KC, Ressler KJ, and Linnstaedt SD. Early life adversity increases risk for chronic posttraumatic pain, data from humans and rodents. *Pain.* (in press)
  158. Santos JLC, Harnett NG, van Rooij SJH, Ely TD, Jovanovic T, Lebois LAM, Beaudoin FL, An X, Neylan TC, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI Jr, Hendry PL, Sheikh S, Jones CW, Punches BE, Pascual JL, Seamon MJ, Harris E, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Bruce SE, Pizzagalli DA, Harte SE, Ressler KJ, Koenen KC, McLean SA, Stevens JS. Social buffering of PTSD: longitudinal effects and neural mediators. *Biol Psychiatry Cogn Neurosci Neuroimaging.* 2025;10(5):531-541.
  159. \*\*Rosenberg N, Ndebwanimana V, Niyonzima J, **Merchant RC**, Buono M, Staton CA, and Vissoci JR. Adaptation and Validation of a Rwanda-Focused Version of the Alcohol Use Disorder Identification Test (AUDIT). *PLoS One.* 2025;20(2):e0316993.
  160. Rettger B, Chapman BP, Krotulski A, Gigliotti R, Polackal J, Olabisi D, Nguyen J, Cotoni B, Hunter **Merchant RC**, Walton S, Logan BK, Martinez PM, Weisberg S, Broach JP, and Babu KM. Identifying the local emergence of medetomidine through prehospital collaborations. *Prehosp Emerg Care.* 2025;29(4):338-342.
  161. \*\*Renny MH, Stecher Y, Vargas-Torres C, Zebrowski AM, and **Merchant RC**. Trends in substance-use emergency department visits by youth, 2018-2023. *Am J Emerg Med.* 2025;92:1-9.
  162. Vizer L, Pierce J, Ji Y, Bucher M, Liu M, Ungar L, Giorgi S, Xing Z, House S, Beaudoin F, Stevens J, Neylan T, Clifford G, Jovanovic T, Linnstaedt S, Zeng D, Germine L, Bollen B, Rauch S, Haran J, Storrow A, Lewandowski C, Musey Jr. P, Hendry P, Sheikh S, Jones C, Punches B, Hudak L, Pascual J, Seamon S, Harris E, Pearson C, Peak D, **Merchant RC**, Domeier R, O'Neil B, Sergot P, Sanchez L, Bruce S, Harte S, Kessler R, Koenen K, McLean S, and An X. Smartphone word use features may help identify adverse post-traumatic neuropsychiatric sequelae and their trajectories. *NPP Digit Psychiatry Neurosci.* 2025;3(1):8.
  163. Roeckner A, Lin E, Hinrichs R, Harnett N, Lebois L, van Rooij S, Ely T, Jovanovic J, Murty V, Bruce B, House S, Beaudoin F, An X, Neylan T, Clifford G, Linnstaedt S, Germine L, Rauch S, Haran J, Storrow A, Lewandowski C, Musey P, Hendry P, Sheikh S, Jones C, Punches B, Swor R, Hudak L, Pascual J, Seamon M, Datner E, Pearson C, Peak D, **Merchant RC**, Domeier R, Rathlev N, O'Neil B, Sergot P, Sanchez L, Joormann J, Sheridan J, Harte S, Koenen K, Kessler R, McLean S, Ressler K, and Stevens J. Sequential decreases in basolateral amygdala response to threat predict failure to recover from PTSD. *Neuropsychopharmacology.* (in press)
  164. Hinojosa CA, van Rooij SJH, Fani N, Ellis RA, Garrison-Desany HM, House SL, Beaudoin FL, An X, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey Jr. PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Hudak LA, Pascual JL, Seamon MJ, Harris E, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sanchez LD, Bruce SE, Harte SE, Koenen KC, Ressler KJ, McLean SA, and Stevens JS. The reciprocal relationship between posttraumatic stress disorder symptoms and alcohol use in a large multisite longitudinal sample stratified by sex: A random-intercept cross-lagged panel model. *Alcohol Clin Exp Res (Hoboken).* 2025;49(7):1504-1517.
  165. Short NA, Ellis RA, Pezza M, House SL, Beaudoin FL, An X, Clifford GD, Jovanovic T, Linnstaedt SD, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI, Hendry PL, Sheikh S, Jones CW, Punches BE, Hudak LA, Pascual JL, Seamon MJ, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sanchez LD, Bruce SE, Harte SE, Kessler RC, Koenen KC, Ressler KC, McLean SA, Neylan

- TC Pre-trauma insomnia and posttraumatic alcohol and cannabis use in the AURORA observational cohort study of trauma survivors. *J Psychiatr Res.* (in press).
166. Hudson CC, Rutter L, Joormann J, Passell E, McKemey RM, House SL, Beaudoin FL, An X, Stevens JS, Neylan TC, Jovanovic T, Linnstaedt SD, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey Jr. PI, Hendry PL, Sheikh S, Jones CW, Panches BE, Hudak LA, Pascual JL, Seamon MJ, Datner EM, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Bruce SE, Harte SE, Kessler RC, Koenen KC, McLean SA, Germine LT. Emotion identification and emotion sensitivity following interpersonal and non-interpersonal traumatic experiences: Results from the AURORA study. *Clin Psychol Sci.* (in press)

\*\*Indicates first author is mentee

#### Other peer-reviewed scholarship:

1. **Merchant RC**. Nonoccupational HIV post-exposure prophylaxis: a new role for the emergency department. *Ann Emerg Med.* 2000;36(4):366-75.
2. **Merchant RC**. Nonoccupational HIV PEP affordability: a clearer reality. *AIDS.* 2001;15(4):541-2.
3. **Merchant RC** and Keshavarz R. HIV post-exposure prophylaxis for adolescents and children. *Pediatrics.* 2001;108(2):E38.
4. **Merchant RC**, Mayer KH, Rich JD. Prophylactic panic. *AIDS Clinical Care.* 2002;14(6):55.
5. **Merchant RC**, Mayer KH, Browning C. Nonoccupational HIV post-exposure prophylaxis: guidelines for Rhode Island from the Brown University AIDS Program and the RI Department of Health. *Med Health RI.* 2002;85(7):244-8.
6. Urbina BY, **Merchant RC**, Mayer KH. Case studies on nonoccupational HIV post-exposure prophylaxis. *Med Health RI.* 2003;86(6):175-7.
7. **Merchant RC**, Mayer KH, Browning CA. Development of guidelines on nonoccupational HIV postexposure prophylaxis for the State of Rhode Island. *Public Health Rep.* 2004;119(2):136-40.
8. **Merchant RC**. Clinicopathologic conference: A 29-year-old man with vomiting and chest pain. *Acad Emerg Med.* 2005;12(3):237-44.
9. **Merchant RC** and Mayer KH. Perspectives on new nonoccupational HIV post-exposure prophylaxis guidance from the Centers for Disease Control and Prevention. *JAMA.* 2005;293(19):2407-9.
10. **Merchant RC**. Antiretroviral postexposure prophylaxis after sexual, injection-drug use, or other nonoccupational exposure to HIV in the United States. *Ann Emerg Med.* 2005;46(1):82-6.
11. \*\*Ranney M, Gee EM, and **Merchant RC**. Non-prescription availability of emergency contraception in the United States: history, current status, controversies, and impact on emergency medicine practice. *Ann Emerg Med.* 2006;47(5):461-7.
12. **Merchant RC**. Updated U.S. public health service guidelines for the management of occupational exposures to HIV and recommendations for postexposure prophylaxis. *Ann Emerg Med.* 2006;47(5):492-5.
13. Rothman RE and **Merchant RC**. Revised recommendations for HIV testing of adults, adolescents, and pregnant women in health-care settings. *Ann Emerg Med.* 2007; 49(5):575-9.
14. Lyons MS, Lindsell CJ, Haukoos JS, Brown J, Calderon Y, Couture E, **Merchant RC**, White DAE, Rothman RE on behalf of the National Emergency Department HIV Testing Consortium. Nomenclature and definitions for emergency department human immunodeficiency virus (HIV) testing: report from the 2007 conference of the National Emergency Department HIV Testing Consortium. *Acad Emerg Med.* 2009;16(2):168-77.
15. Panagos P, **Merchant RC**, and Alunday RL. Psychogenic seizures. *Postgrad Med J.* 2010;122(1):34-38.
16. **Merchant RC** and Waxman MJ. HIV screening in health care settings: some progress, even more questions. *JAMA.* 2010;304(3):348-349.

17. \*\*Siket MS and **Merchant RC**. Psychogenic seizures: a review and description of pitfalls in their acute diagnosis and management in the emergency department. *Emerg Med Clin North Am*. 2011;29(1):73-81.
18. **Merchant RC**. Sexually transmitted diseases treatment guidelines, 2010. *Ann Emerg Med*. 2011; 58(1):67-8.
19. Mello M, **Merchant RC**, and Clark MA. Surveying emergency medicine. *Acad Emerg Med*. 2013; 20(4):409-12.
20. Waxman MJ, **Merchant RC**, O'Connell D, Sutton L, Ata A, Gallucci A, Cowan E, and Fish D. Should emergency department patients be alerted to the potential costs for routine HIV screening? *Public Health Rep*. 2017; 132(2):130-132.
21. **Merchant RC**, Liu T, Clark MA, and Carey MP. Facilitating HIV/AIDS and HIV testing literacy for emergency department patients: a randomized, controlled trial. *BMC Emerg Med*. 2018;18(1):21.
22. \*\*Goldberg EM, Resnik LJ, Marks SJ, and **Merchant RC**. The geriatric acute and post-acute fall prevention intervention: a pilot investigation of an emergency department-based fall prevention program for community-dwelling older adults. *Pilot Feasibility Stud*. 2019;5(1):106.
23. Goedel WC, Marshall BDL, Samuels EA, Brinkman MG, Dettor D, Langdon KJ, Mahoney L, **Merchant RC**, Nizami T, O'Toole GA, Ramsey SE, Yedinak JL, Beaudoin FL. A randomized clinical trial of an emergency department-based peer recovery support intervention to increase treatment uptake and reduce recurrent overdose among individuals at high risk for opioid overdose: study protocol for the Navigator Trial. *BMJ Open*. 2019;9(11):e032052.
24. Escudero D, Bahamon M, Panakos P, Hercz D, Seage G, and **Merchant RC**. How to best conduct universal HIV screening in emergency departments is far from settled. *J Am Coll Emerg Physicians Open*. 2021;14;2(1):e12352.
25. \*\*Abudan A and **Merchant RC**. Multi-dimensional measurements of crowding for pediatric emergency departments: a systematic review. *Global Pediatr Health*. 2021;8:233794X21999153.
26. Strauss DH, Davoodi NM, Healy M, Metts CL, **Merchant RC**, Banskota S, Goldberg EM. The Geriatric Acute and Post-Acute Fall Prevention Intervention (GAPcare) II to assess the use of the Apple Watch in older emergency department patients with falls: protocol for a mixed methods study. *JMIR Res Protoc*. 2021;10(4):e24455.
27. \*\*Bi L, Solnick RE, **Merchant RC**. A systematic review of HIV screening programs conducted in pediatric emergency departments in the United States. *BMC Emerg Med*. 2022;22(1):75.
28. Bischof JJ, Chai P, Mohamed Y, Padappayil R, **Merchant RC**, Boyer EW, Rosen R, Reyes-Gibby C, Viamonte M, and Carrico AW. MyTPill: Study protocol for a crossover randomized controlled trial comparing novel strategies to monitor antiretroviral adherence among HIV+ prescription opioid users. *BMJ Open*. 2023;13:e062805.
29. \*\*Goldberg EM, Babu KM, and **Merchant RC**. Alcohol-related falls are increasing in older emergency department patients: a call to action. *Ann Emerg Med*. 2023;82(6):678-680.
30. \*\*Renny MH, Love JS, Walton MA, Levy S and **Merchant RC**. Emergency department screening and interventions for adolescents with substance use: a narrative review. *J Emerg Med*. 2024;67(5):e414-e424.
31. \*\*Solnick RE, Patel R, Chang E, Vargas-Torres C, Munawar M, Pendell C, Smith JE, Cowan E, Kocher KE, and **Merchant RC**. Sex disparities in chlamydia and gonorrhea treatment in US adult emergency departments: a systematic review and meta-analysis.

\*\*Indicates first author is mentee

## Non-peer reviewed scholarship in print or other media:

### Pre-prints

1. Zeamer AL, Salive M-C, An X, House SL, Beaudoin FL, Stevens JS, Zeng D, Neylgan TC, Clifford GD, Linnstaedt SD, Rauch SL, Storrow AB, Lewandowski C, Musey PI, Hendry PL,

- Sheikh S, Jones CW, Punches BE, Swor RA, Hudak LA, Pascual JL, Seamon MJ, Harris E, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neill BJ, Sergot P, Sanchez LD, Bruce SE, Kessler RC, Koenen KC, McLean SA, Bucci V, and Haran JP. Pilot study of the association between microbiome and the development of adverse posttraumatic neuropsychiatric sequelae after traumatic stress exposure. medRxiv [Preprint]. 2023 Mar 3:2023.03.01.23286577.
2. Haering S, Seligoswki AV, Linnstaedt SD, Michopoulos V, House SL, Beaudoin FL, An X, Neylan TC, Clifford GD, Germine LT, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI, Hendry PL, Shei S, Jones CW, Punches BE, Swor RA, Gentile NT, Hudak LA, Pascual JL, Seamon MJ, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sanchez LD, Bruce SE, Harte SE, McLean SA, Kessler RC, Koenen KC, Powers A, and Stevens JS. PsyARXiv [Preprint]. 2023 Oct 9.
  3. Ager E, Sturdavant W, Curry Z, Ahmed F, DeJonckheere M, Gu A, **Merchant RC**, Kocher KE, and Solnick RE. Mixed-method evaluation of an expedited partner therapy take-home medication program: a pilot ED intervention to improve sexual health equity. medRxiv [Preprint]. 2023 Apr 15:2023.04.12.23288504.
  4. \*\*Solnick RE, Patel R, Chang E, Vargas-Torres C, Munawar M, Pendell C, Smith JE, Cowan E, Kocher KE, **Merchant RC**. Sex disparities in chlamydia and gonorrhea treatment in US adult emergency departments: a systematic review and meta-analysis. medRxiv [Preprint]. 2024 Aug 20:2024.08.20.24312317.
  5. Leroux A, **Merchant RC**, Roberts S, Bettcher BM, Lum HD, Resnik L, Berry SD, Mealer M, Vor M, Goldberg E. Smartphone-based measurement of cognition and physical function in older emergency department patients: a feasibility study. medRxiv [Preprint]. 2024 Oct 25:2024.10.24.24316067.
  6. \*\*Renny MH, Stecher Y, Vargas-Torres C, Zebrowski AM, **Merchant RC**. Trends in substance use-related emergency department visits by youth, 2018-2023. medRxiv [Preprint]. 2024 Oct 30:2024.10.29.24316367.
  7. McKibben LA, Woolard A, McLean SM, Zhao Y, Verma T, Mickelson J, Lu H, Lobo J, House SL, Beaudoin FL, An X, Stevens JS, Neylan TC, Jovanovic T, Germine LT, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Hendry PL, Sheikh S, Jones CW, Punches BE, Hudak LA, Pascual JL, Seamon MJ, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sanchez LD, Bruce SE, Sheridan JF, Kessler RC, Koenen KC, Ressler KJ, and Linnstaedt SD. Early life adversity increases risk for chronic posttraumatic pain, data from humans and rodents. medRxiv [Preprint]. 2024 Nov2:2024.11.01.24316303.
  8. McKibben LA, Layne MN, Albertorio-Sáez LM, Zhao Y, Branham EM, House SL, Beaudoin FL, An X, Stevens JS, Neylan TC, Clifford GD, Germine LT, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey PI Jr, Hendry PL, Sheikh S, Jones CW, Punches BE, Swor RA, Hudak LA, Pascual JL, Seamon MJ, Datner EM, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sanchez LD, Bruce SE, Sheridan JF, Harte SE, Kessler RC, Koenen KC, Ressler KJ, McLean SA, Linnstaedt SD. Peritraumatic C-reactive protein levels predict pain outcomes following traumatic stress exposure in a sex-dependent manner. medRxiv [Preprint]. 2024 Dec 7:2024.12.03.24318221.
  9. Liang SS, Roeckner AR, Ely TD, Lebois LAM, van Rooij SJH, Bruce SE, Jovanovic T, House SL, Murty VP, Beaudoin FL, An X, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey Jr. PI, Hendry PL, Sheikh S, Pascual JL, Seamon MJ, Harris E, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Sheridan JF, Harte SE, Kessler RC, Koenen KC, McLean SA, Ressler KJ, Stevens JS, Webb EK, and Harnett NG. Childhood adversity is associated with longitudinal white matter changes after adulthood trauma. medRXiv [Preprint] Associations between residential segregation, ambient air pollution, and hippocampal features in recent trauma survivors. 2025 Feb 20: 2025.02.18.25322464.

10. Megan LT, Huibregtse E, Ely TD, van Rooij SJH, Webb EK, Jovanovic T, House SL, Bruce SE, Murty VP, Beaudoin FL, An X, Neylan TC, Clifford GD, Linnstaedt SD, Bollen KA, Rauch SL, Haran JP, Storrow AB, Lewandowski C, Musey Jr. PI, Hendry PL, Sheikh S, Jones CW, Panches BE, Hudak LA, Pascual JL, Seamon MJ, Datner EM, Pearson C, Peak DA, **Merchant RC**, Domeier RM, Rathlev NK, O'Neil BJ, Sergot P, Sanchez LD, Sheridan JF, Kessler RC, Koenen KC, Ressler KJ, McLean SA, Stevens JS, and Harnett NG. Childhood adversity is associated with longitudinal white matter changes after adulthood trauma. medRxiv [Preprint] 2025 Mar 14:2025.03.08.25323425.

## Reviews, chapters, monographs and editorials

1. **Merchant RC**. Oasis in the desert: a student's experience at the Betty Ford Center, The Anlage, Emory University School of Medicine, October 1990
2. **Merchant RC**. EM1 Guide: A survival manual for the first year, Mount Sinai School of Medicine, Emergency Medicine Residency Program, 1999. Updated as the EM Guide in 2000 and 2001
3. **Merchant RC**. Lynne Richardson, MD, embarks on EMPATH, SAEM Newsletter, January 2002
4. **Merchant RC**. Resident research grant report, SAEM Newsletter, October 2002
5. **Merchant RC**. New nonoccupational HIV postexposure prophylaxis guidelines for Rhode Island, BRUNAP News, Winter/Spring 2003
6. De Groot AS and **Merchant RC**. Hepatitis B, C, and HIV post-exposure prophylaxis in correctional settings, HEPP Newsletter, July 2003

## Book chapters

1. **Merchant RC**. Management of healthcare worker exposures to blood or body fluids. In: Anastasia R and Cahill JD, editors. Handbook of bioterrorism and disaster medicine. Springer; 2006. p. 443-447.
2. **Merchant RC** and McMahon-Downer M. HIV. In: Roppolo LP, Davis D, Kelly S, and Rosen P, editors. Emergency medicine handbook: Critical concepts for clinical practice. Mosby; 2007. p. 445-465
3. **Merchant RC** and Roland ME. Blood or body fluid exposure management and post-exposure prophylaxis for hepatitis B and HIV. In: Chin R, editor. Emergency management of infectious diseases. Cambridge University Press; 2008. p. 373-380
4. \*\*Shao W, Guan W, Clark MA, Liu T, Santelices C, Cortés DE, and **Merchant RC**. Variations in recruitment yield, costs, speed and participant diversity across Internet platforms in a global study examining the efficacy of an HIV/AIDS and HIV testing animated and live-action video among English- or Spanish-speaking Internet or social media users (Chapter 11). In: Walsh CS, editor. Transforming HIV prevention and care for marginalised populations: Using information and communication technologies (ICTs) in community-based and led approaches. Creative Commons Attribution 4.0 International License (eBook); 2015. p. 186-210
5. **Merchant RC** and Beaudoin FL. Brief interventions for substance-use disorder in older patients. In: Sullivan MA and Levin FR, editors. Addiction in the older patient. Oxford University Press; 2016. p. 37-68
6. **Merchant RC**. Blood or body fluid exposure management and post-exposure prophylaxis for hepatitis B and HIV. In: Chin R, Frazee BW, and Coralic Z, editors. Emergency management of infectious diseases. 2<sup>nd</sup> edition. Cambridge University Press; 2018. p. 375-384
7. \*\*Habersham L and **Merchant RC**. Sidebar: Screening and Brief Intervention in Pregnancy. ASAM Essentials of Addiction Medicine. Wolters Kluwer. (in press)

\*\*Indicates first author is mentee

## Clinical Guidelines and Reports:

1. **Merchant RC**, Mayer KH, and Browning CA. Nonoccupational HIV post-exposure prophylaxis guidelines for Rhode Island healthcare practitioners. Nonoccupational HIV PEP Task Force; Brown University AIDS Program and the Rhode Island Department of Health. Providence, RI. 2002. These guidelines were the first comprehensive state-level recommendations on the evaluation and treatment of persons potentially exposed to HIV through sexual and other nonoccupational means. The guidelines became the basis of standard care for the state and were distributed to all Rhode Island practitioners; and posted on the internet on the Brown University AIDS Program, Rhode Island Department of Health, and the AHRQ National Guideline Clearinghouse websites; were the subject of media releases, articles and interviews; and presented at local and national meetings, including the Centers for Disease Control and Prevention National HIV Prevention Conference. I initiated the process of bringing together stakeholders to create the guidelines, prepared them for review, and assisted with their dissemination.
2. ACEP Clinical Policies Committee and the Clinical Policies Subcommittee on Acute Blunt Abdominal Trauma. Critical issues in the evaluation of adult patients presenting to the emergency department with acute blunt abdominal trauma. October, 2003. Published in: *Ann Emerg Med*. 2004;43:278-290. As a committee member, I reviewed research articles on radiological imaging for acute blunt abdominal trauma and provided summaries for the creation of guidelines for clinicians on this topic for the American College of Emergency Physicians.
3. World Health Organization. Post-exposure prophylaxis to prevent HIV infection. Joint WHO/ILO guidelines on post-exposure prophylaxis (PEP) to prevent HIV infection. International Labor Organization and World Health Organization, Geneva, Switzerland, August 2008. As a committee member and advisor, I reviewed applicable research, presented and reviewed findings, and contributed to the deliberation of the creation of guidelines on HIV post-exposure prophylaxis for the World Health Organization.
4. New York AIDS Institute. Unresolved issues with New York State HIV testing laws: Alerting patients of the cost of testing. Albany, NY, October 2012. As an advisor and committee member, I assisted with the drafting of recommendations on the ethical and practical implementation of charging patients for HIV testing after the release of mandatory HIV testing guidelines in New York state.

#### **Thesis:**

**Merchant RC.** Opt-in rapid Human Immunodeficiency Virus screening at the Rhode Island Hospital Emergency Department. [dissertation] Harvard School of Public Health. Boston, MA. 2007

#### **Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings:**

1. **Merchant RC**, Keshavarz R, Wilets I, Hamilton K, Richardson B, and Jacobson J. HIV post-exposure prophylaxis: a survey of New York State emergency department practitioners. First Annual New York State Region Society for Academic Emergency Medicine Regional Meeting, Rochester, NY, March 2001.
2. **Merchant RC**, Keshavarz R, Wilets I, Low C, Wilets I, Richardson B, and Jacobson J. HIV postexposure prophylaxis provided at a large, urban, pediatric emergency department after sexual assault. First Annual New York State Region Society for Academic Emergency Medicine Regional Meeting, Rochester, NY, March 2001. [abstract 176] American College of Emergency Physicians Research Forum, Chicago, IL, October 15-16, 2001.
3. **Merchant RC**, Keshavarz R, Wilets I, Hamilton K, Richardson B, and Jacobson J. Hepatitis B prophylaxis: a survey of emergency department practitioners. First Annual New York State Region Society

- for Academic Emergency Medicine Regional Meeting, Rochester, NY, March 2001. [abstract 164] American College of Emergency Physicians Research Forum, Chicago, IL, October 15-16, 2001.
4. Keshavarz R, **Merchant RC**, and Wilets I. Emergency contraception provision: a survey of emergency department practitioners. First Annual New York State Region Society for Academic Emergency Medicine Regional Meeting, Rochester, NY, March 2001. [abstract 165] American College of Emergency Physicians Research Forum, Chicago, IL, October 15-16, 2001.
  5. **Merchant RC**, Keshavarz R, Wilets I, Hamilton K, Richardson B, and Jacobson J. HIV post-exposure prophylaxis: a survey of emergency department practitioners. First Annual New York State Region Society for Academic Emergency Medicine Regional Meeting, Rochester, NY, March 2001. [abstract 366] American College of Emergency Physicians Research Forum, Chicago, IL, October 2001. Ninth Annual Research Celebration, Rhode Island Hospital, Providence, RI, October 2001.
  6. **Merchant RC**, Becker BM, Mayer KH, Bock BC. Limited necessity for emergency prophylaxis following pediatric sexual abuse and assault. [abstract] New England Region Society for Academic Emergency Medicine Regional Meeting, Worcester, MA, April 2002
  7. **Merchant RC**, Becker BM, Mayer KH. HIV post-exposure prophylaxis provision at a Large, Urban Emergency Department. New England Region Society for Academic Emergency Medicine Regional Meeting, Worcester, MA, April 2002. [abstract 300] Society for Academic Emergency Medicine Annual Meeting, St. Louis, MO, May 19-22, 2002. [abstract D10414] XIV International AIDS Conference 2002, Barcelona, Spain, July 7-12, 2002
  8. **Merchant RC**, Nam DW, Becker BM, Mayer KH. Forsooth! Beware the Tooth! Human bite injuries presenting to the Rhode Island Hospital Emergency Department. New England Region Society for Academic Emergency Medicine Regional Meeting, Worcester, MA, April 2002. [abstract 145] American College of Emergency Physicians Research Forum, Seattle, WA, October 7-8, 2002.
  9. **Merchant RC**, Mayer KH, Browning CA. Nonoccupational HIV post-exposure prophylaxis guidelines for Rhode Island healthcare practitioners from the Brown University AIDS Program and the Rhode Island Department of Health: a unique public and private collaborative effort for HIV prevention. [abstract 566] CDC National HIV Prevention Conference. Atlanta, GA. August 27-30, 2003.
  10. **Merchant RC**, Becker BM, Mayer KH, Fuerch J, and Schreck B. Blood or body fluid exposures and HIV post-exposure prophylaxis provision at a large, urban emergency department. [abstract 390] CDC National HIV Prevention Conference. Atlanta, GA. August 27-30, 2003.
  11. **Merchant RC**, Schwartzapfel BL, Wolf F, Carlson L, and Rich JD. Emergency medical system responses to opiate overdoses in Rhode Island, 1997-2002. [abstract 174] American College of Emergency Physicians Research Forum. Boston, MA. October 12-13, 2003. Eleventh Annual Research Celebration, Rhode Island Hospital, Providence, RI, October 2003.
  12. **Merchant RC**, Gee EM, Bock BC, Becker BM. Predictors of preventive health knowledge among emergency department female patients. [abstract 343] American College of Emergency Physicians Research Forum. San Francisco, CA. October 17-20, 2004. Twelfth Annual Research Celebration, Rhode Island Hospital, Providence, RI, October 2004.
  13. **Merchant RC**, Mayer KH, and Becker BM. Offering and receipt of HIV post-exposure prophylaxis in Rhode Island emergency departments. [abstract T1-C1004] CDC National HIV Prevention Conference. Atlanta, GA. June 12-15, 2005.
  14. **Merchant RC**, Lau TC, Mayer KH, and Becker BM. Adult sexual assault evaluations at Rhode Island emergency departments, 1995-2001. [abstract 344] American College of Emergency Physicians Research Forum. Washington, DC. September 26-27, 2005. Thirteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, September 2005.
  15. **Merchant RC**, Gee EM, Damergis JA, Bock BC, Becker BM, Clark MA. Correlates of contraceptive usage among female emergency department patients. [abstract 336] American College of Emergency Physicians Research Forum. Washington, DC. September 26-27, 2005. Thirteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, September 2005.



16. **Merchant RC**, Chee KJ, Mayer KH, and Becker BM. Healthcare worker blood or body fluid exposures and HIV prophylaxis provision at Rhode Island emergency departments. [abstract 331] American College of Emergency Physicians Research Forum. Washington, DC. September 26-27, 2005. Thirteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, September 2005.
17. **Merchant RC**, Phillips BZ, Mayer KH, and Becker BM. Predictors of sexually transmitted disease and pregnancy testing and prophylaxis usage for adult female sexual assault survivors in Rhode Island emergency departments. [abstract 166] American College of Emergency Physicians Research Forum. Washington, DC. September 26-27, 2005. Thirteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, September 2005.
18. **Merchant RC**, Mayer KH, Becker BM, Pugatch DL, and Duffy SJ. Comparison of emergency department sexually transmitted disease and pregnancy testing and prophylaxis utilization after pediatric sexual assault. [abstract 113458] American Public Health Association 133rd Annual Meeting & Exposition, Philadelphia, PA. December 10-14, 2005.
19. **Merchant RC**, Zabbo CP, Mayer KH, and Becker BM. What factors affect antibiotics usage and admission for human bites? [abstract 1183]. 10<sup>th</sup> Annual New England Regional Society for Academic Emergency Medicine Research Conference. Shrewsbury, MA. March 30, 2006. Fourteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, November 2006.
20. Assoumou SA and **Merchant RC**. Intracranial hypotension: a rare cause of headache. Rhode Island American College of Physicians Annual Spring Scientific Meeting. Providence, RI. May 10, 2006.
21. **Merchant RC**, McGregor AM, Gee EM, Bock BC, Becker BM, and Clark MA. What do women want? Preventive health preferences in the ED. [abstract 267] Society for Academic Emergency Medicine Annual Meeting, San Francisco, CA. May 18-21, 2006. Fourteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, November 2006.
22. **Merchant RC**, Gee EM, Seage GR, Mayer KH, and Clark MA. Development of an animated video presentation on rapid HIV testing for pre-test counseling in traditional and non-traditional testing settings. [abstract 141087] American Public Health Association 134th Annual Meeting & Exposition, Boston, MA, November 6, 2006. Fourteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, November 2006.
23. **Merchant RC**, Gee EM, Seage GR, Mayer KH, Clark MA, and DeGruttola VG. Patient comprehension about rapid HIV testing improves with the use of an animated video presentation. [abstract 137033] American Public Health Association 134th Annual Meeting & Exposition, Boston, MA, November 6, 2006. Fourteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, November 2006.
24. **Merchant RC**, Catanzaro BM, Seage GR III, Mayer KH, Clark MA, DeGruttola VG, and Becker BM. Who has not had an HIV test? HIV testing history varies by ED patient demography. [abstract 2110] Society for Academic Emergency Medicine New England Regional Research Meeting, Shrewsbury, MA. April 18, 2007. [abstract 408] American College of Emergency Physicians Research Forum, Seattle, WA, October 9, 2007. Fifteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, November 2007.
25. **Merchant RC**, Seage GR III, Mayer KH, Clark MA, DeGruttola VG, and Becker BM. Is a 9.5 minute video an effective substitute for an HIV counselor for rapid HIV testing? [abstract 447] Society for Academic Emergency Medicine Annual Meeting, Chicago, IL. May 19, 2007. Fifteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, November 2007.
26. **Merchant RC**, Seage GR III, Mayer KH, Clark MA, DeGruttola VG, and Becker BM. Does willingness to undergo rapid HIV testing in the emergency department vary by patient demography and history of HIV testing? [abstract 352] 2007 National HIV Prevention Conference, Centers for Disease Control and Prevention, Atlanta, GA, December 4, 2007.
27. **Merchant RC** and Catanzaro BM. HIV diagnostic testing in US emergency departments, 1993-2004. [abstract 582] 2007 National HIV Prevention Conference, Centers for Disease Control and Prevention, Atlanta, GA, December 3, 2007.



28. **Merchant RC**, DePalo DM, Liu T, Rich JD, and Stein MD. Predictors of a chlamydia and/or gonorrhea infection among adult male emergency department patients. [abstract 15400] 2008 National STD Prevention Conference, Centers for Disease Control and Prevention, Chicago, IL, March 10-13, 2008.
29. Nagdev AD, Tirado-Gonzalez A, Sisson CA, Murphy MM, and **Merchant RC**. Bedside ultrasound for the noninvasive estimation of central venous pressure in critically-ill emergency department patients. [abstract 547] Society for Academic Emergency Medicine Annual Meeting, Washington, DC. June 1, 2008.
30. Waxman MJ, **Merchant RC**, Maher JG, Clark MA, Simmons EA, Celada MT, Beckwith CG, Liu T, Mayer KH. [abstract 151] Do clinicians prefer the 2006 or 2001 CDC HIV testing recommendations? 2008 National Summit on HIV Diagnosis, Prevention, and Access to Care, Arlington, VA. November 19-21, 2008.
31. **Merchant RC**, Clark MA, Mayer KH, Seage III GR, DeGruttola VG, and Becker BM. Video-delivered rapid HIV pre-test information to streamline HIV testing. [abstract 210] 2008 National Summit on HIV Diagnosis, Prevention, and Access to Care, Arlington, VA. November 19-21, 2008.
32. **Merchant RC**, Clark MA, Seage III GR, Mayer KH, DeGruttola VG, and Becker BM. Do emergency department patients want to be screened for HIV? [abstract 317] 2008 National Summit on HIV Diagnosis, Prevention, and Access to Care, Arlington, VA. November 19-21, 2008.
33. **Merchant RC**, Waxman MJ, Clark MA, Celada MT, and Sherwin AM. Are the 2006 CDC HIV testing recommendations ethically justified? It depends! [abstract 131] 2008 National Summit on HIV Diagnosis, Prevention, and Access to Care, Arlington, VA. November 19-21, 2008.
34. Waxman MJ, **Merchant RC**, Maher JG, Clark MA, Simmons EM, Celada MT, Beckwith CG, Liu T, and Mayer KH. Who prefers CDC-recommended streamlined methods for HIV testing? [abstract 402] 2009 Society for Academic Emergency Medicine Annual Meeting, New Orleans, LA. May 16, 2009.
35. **Merchant RC**, Clark MA, Mayer KH, Seage III GR, DeGruttola VG, and Langan TJ. Can computer-based feedback improve emergency department patient uptake of HIV screening? [abstract 251] 2009 CDC National HIV Prevention Conference. Atlanta, GA. August 2009.
36. Waxman MJ, **Merchant RC**, Clark MA, Celada MT, and Sherwin AM. Ethical Considerations on the 2006 CDC HIV Screening Policies: Opinions of US HIV Leaders [abstract 247] 2009 CDC National HIV Prevention Conference, Atlanta, GA. August 2009.
37. **Merchant RC**, Waxman MJ, Clark MA, Maher JC, Celada MT, Beckwith CG, Liu T, Simmons EA, and Mayer KH. Do patients and clinicians have ethical concerns about the 2006 CDC HIV testing recommendations? [abstract 270] 2009 CDC National HIV Prevention Conference, Atlanta, GA. August 2009.
38. Waxman MJ, **Merchant RC**, Clark MA, Maher JG, Celada MT, Beckwith CG, Liu T, Simmons EA, and Mayer KH. Will the 2006 CDC HIV testing recommendations reduce stigma and increase HIV testing? [abstract 271] 2009 CDC National HIV Prevention Conference, Atlanta, GA. August 2009.
39. Garro A, Asnis L, **Merchant RC**, and McQuaid E. Emergency department prescriptions for long-term inhaled corticosteroids for children with asthma: Are we following recommendations? [abstract 93] 2009 American College of Emergency Physicians Scientific Assembly, Boston, MA. October 5, 2009.
40. Guzman H, **Merchant RC**, Baird JR, Nirenberg TD, Liu T, and Ladd GT. How does hazardous and heavy episodic alcohol drinking relate to HIV sexual risk among emergency department patients? [abstract 65] 2010 American College of Emergency Physicians Scientific Assembly Research Forum, Las Vegas, NV. September 28, 2010. Eighteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, October 2010.
41. **Merchant RC**, Baird JR, Nirenberg TD, Liu T, and Ladd GT. Does self-report of alcohol misuse and sexual risk-taking motivate patients to be tested for HIV? [abstract 1408] CDC 2011 National HIV Prevention Conference, Atlanta, GA, August 14-17, 2011.
42. **Merchant RC**, Baird JR, Nirenberg TD, Liu T, and Ladd GT. Increasing HIV sexual risk-taking as a function of alcohol misuse among emergency department patients. [abstract 1399] CDC 2011 National HIV Prevention Conference, Atlanta, GA, August 14-17, 2011.

43. Trillo A, **Merchant RC**, Baird JR, Liu T, and Nirenberg TD. Gender differences in alcohol misuse and estimated blood alcohol levels among emergency department patients: implications for brief interventions. [abstract 16] 8<sup>th</sup> annual INEBRIA Conference, Boston, MA, September 22, 2011. Nineteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, October 2011.
44. Babu KM, Cotter BV, Jackson DA, **Merchant RC**, Baird JR, Nirenberg T, and Linakis JG. Prescription amphetamine and illicit stimulant use among adolescent and young adult emergency department patients. [abstract 17] 2011 North American Congress of Clinical Toxicology, Washington, DC, September 23, 2011. Nineteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, October 2011.
45. Merritt C, Mintzer J, Stricker J, Haran JP, Murphy L, and **Merchant RC**. All pus is not created equal – differences between children and adults in organisms isolated from abscesses in the emergency department. [abstract ID# 13284] American Academy of Pediatrics National Conference and Exhibition. Boston, MA, October 14, 2011.
46. Pringle KD, **Merchant RC**, and Clark MA. Is self-perceived HIV risk congruent with self-reported HIV risk among adult emergency department patients? Implications for HIV testing. [abstract 64] American College of Emergency Physicians Scientific Assembly Research Forum, San Francisco, CA, October 15, 2011. Nineteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, October 2011.
47. Merritt C, Mintzer J, Stricker J, Haran JP, Murphy L, and **Merchant RC**. More may not be better - Are emergency department clinicians overdosing abscess patients with antibiotics? [abstract 130] American College of Emergency Physicians Scientific Assembly Research Forum, San Francisco, CA, October 15, 2011. Nineteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, October 2011.
48. Jackson DAE, Cotter BV, **Merchant RC**, Babu KM, Baird JR, Nirenberg T, and Linakis JG. Getting HYPED! Behavioral and physiological side-effects associated with energy drink and caffeine use among emergency department patients. [abstract 433] American College of Emergency Physicians Scientific Assembly Research Forum, San Francisco, CA, October 16, 2011. Nineteenth Annual Research Celebration, Rhode Island Hospital, Providence, RI, October 2011.
49. Baird J, Morillo J, Mintzer J, **Merchant RC**, Liu T, and Rich J. Increasing the uptake of testing for chlamydia and gonorrhea among young female emergency department patients. [abstract 244972] 139<sup>th</sup> American Public Health Association Annual Meeting. Washington, DC, November 1, 2011.
50. **Merchant RC**, Clark MA, Liu T, Santelices C, and Cortes D. Can a video substitute for an in-person discussion in delivering HIV pre-test information to Spanish-speaking Latinos and better serve those with lower health literacy? [abstract #31945] 2012 National Conference on Health Communication, Marketing, and Media. Atlanta, GA, August 7-9, 2012. Twentieth Annual Research Celebration, Rhode Island Hospital, Providence, RI, October 2012. 2012 National Summit on HIV and Viral Hepatitis Diagnosis, Prevention, and Access to Care, Washington, DC, November 27, 2012.
51. Canders CP, **Merchant RC**, Pleet K, and Fuerch JH. Incidence of adjudicated internet-initiated sexual assault among US adolescents reported in newspapers, 1996-2007. [abstract #1733] 17<sup>th</sup> International Conference on Violence, Abuse and Trauma. San Diego, CA, September 9-12, 2012.
52. Tai M, **Merchant RC**. HIV testing in US emergency departments, outpatient ambulatory medical departments, and physician offices, 1993-2010. [abstract] 2012 National Summit on HIV and Viral Hepatitis Diagnosis, Prevention, and Access to Care, Washington, DC, November 27, 2012. Twentieth Annual Research Celebration, Rhode Island Hospital, Providence, RI, October 2012.
53. Tai M, **Merchant RC**, Liu T. HIV/AIDS-related hospitalization rates in US short-stay hospitals, 1982-2010. [abstract] 2012 National Summit on HIV and Viral Hepatitis Diagnosis, Prevention, and Access to Care, Washington, DC, November 27, 2012. Twentieth Annual Research Celebration, Rhode Island Hospital, Providence, RI, October 2012.
54. Schwartz TM, Tai M, Babu KM and **Merchant RC**. Evaluating the relationship between opioid analgesics and patient satisfaction among emergency department patients. [abstract #356] American College of Emergency Physicians Scientific Assembly Research Forum, Seattle, WA, October 15, 2013.
55. Beaudoin FL, Lin C, Donaghy I, **Merchant RC**. Low dose ketamine improves pain relief in patients receiving intravenous opioids for acute pain in the emergency department: results of a randomized, double-

- blind, clinical trial. [abstract #3] 2014 Society for Academic Emergency Medicine Annual Meeting, Dallas, TX, May 14, 2014.
56. **Merchant RC**, Baird JR, Liu T, Taylor L, Montague BT, and Nirenberg T. Does a brief intervention increase HIV/HCV screening among drug-using emergency department patients? [abstract #743] 2014 Society for Academic Emergency Medicine Annual Meeting, Dallas, TX, May 17, 2014.
  57. Shao W, **Merchant RC**, Clark MA, Liu T, Guan W, Santelices C, and Cortes DE. Does a video improve HIV/AIDS and HIV testing knowledge among a global sample of internet and social media users? [abstract #35819] National Conference on Health Communication, Marketing and Media, Atlanta, GA, August 20, 2014.
  58. **Merchant RC**, Baird JR, Liu T, Beaudoin F, and Nirenberg T. Severity of substance misuse and need for substance misuse interventions among adult emergency department patients. [abstract #189] American College of Emergency Physicians Scientific Assembly Research Forum, Chicago, IL, October 27, 2014.
  59. **Merchant RC**, Baird JR, Liu T and Nirenberg TD. Does a brief intervention for adult emergency department patients decrease drug misuse and increase drug treatment services utilization? [abstract] 2015 Society for Academic Emergency Medicine Annual Meeting, San Diego, CA, May 12-15, 2015.
  60. Beaudoin FL, Liu T, Baird JR, and **Merchant RC**. Gender differences in substance use among adult emergency department patients: prevalence, severity, and need for Intervention. [abstract 2328]. Society for Academic Emergency Medicine Annual Meeting, San Diego, CA, May 12-15, 2015.
  61. **Merchant RC**, Delong AK, Liu T, and Baird JR. Does a brief intervention among drug misusing adult emergency department patients increase uptake of rapid HIV/HCV screening? [abstract] 2015 National Summit on HCV and HIV Diagnosis, Prevention, and Access to Care. Washington, DC. June 4-6, 2015.
  62. Corner D, Garza E, Guan W, Chan P, Mayer KH, Brown L, and **Merchant RC**. Preferences for HIV pre-exposure prophylaxis (PrEP) information among MSM at community outreach settings in Providence, Rhode Island. [abstract] 2015 National Summit on HCV and HIV Diagnosis, Prevention, and Access to Care. Washington, DC. June 4-6, 2015.
  63. **Merchant RC**, Shao W, Guan W, Clark MA, Liu T, Santelices C, and Cortes DE. Variations in recruitment yield, costs, and speed and participant diversity across internet or social media platforms in a global study of HIV/AIDS and HIV testing knowledge. [abstract A-729-0251-01002] 8th IAS Conference on HIV Pathogenesis, Treatment and Prevention, Vancouver, Canada. July 20-22, 2015.
  64. Waxman MJ, **Merchant RC**, Cowan EA, and O'Connell DA. Should we alert emergency department patients to the costs of HIV screening? Findings from a working group of the New York State Department of Health AIDS Institute. [abstract] 2015 National Summit on HCV and HIV Diagnosis, Prevention, and Access to Care. Washington, DC. June 4-6, 2015.
  65. **Merchant RC**, Clark MA, Rosenberger J, Bauermeister J, and Mayer KH. Incongruence between self-perceived HIV risk and reported sexual risk among social media-using Black, Hispanic and white YMSM. [abstract] 2015 CDC National HIV Prevention Conference. Atlanta, GA. December 6-9, 2015.
  66. **Merchant RC**, Clark MA, Rosenberger J, Bauermeister J, and Mayer KH. Low PrEP utilization among among social media-using young adult Black, Hispanic and white MSM at higher risk for HIV acquisition. [abstract] 2015 CDC National HIV Prevention Conference. Atlanta, GA. December 6-9, 2015.
  67. **Merchant RC**, Baird JR, and Liu T. How do one-question screening strategies compare to a more comprehensive substance use assessment in identifying adult emergency department patients who might need an intervention? [abstract] Society for Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 10-13, 2016.
  68. **Merchant RC**, Zhang Z, Liu T, and Baird JR. Does a brief intervention reduce drug use and increase drug treatment utilization among adult emergency department patients over a one-year period? [abstract] Society for Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 10-13, 2016.
  69. \*\*Goldberg E, Marks S, and **Merchant RC**. Are there disparities in prescribing practices for emergency department patients with elevated blood pressure? National trends in antihypertensive medication prescribing at emergency department discharge from 2005-2012. [abstract] Society for Academic Emergency Medicine annual meeting. Orlando, FL, May 16-19, 2017.

70. \*\*Wentz A, **Merchant RC**, Clark MA, Liu T, Rosenberger JG, Bauermeister J, and Mayer KH. Ignoring the ban: Blood donation among young adult MSM at risk for HIV. [abstract] 9<sup>th</sup> IAS Conference on HIV Science (IAS 2017). Paris, France, July 23–26, 2017.
71. \*\*McPeake LH, **Merchant RC**, Sevetson E, and King O. Interventions to promote wellness in emergency medicine physicians: a systematic review. [abstract] 2017 American Conference on Physician Health. San Francisco, CA, October 12–13, 2017.
72. \*\*Goldberg E, Marks S, and **Merchant RC**. Nursing home residents with dementia lack vital health information on their emergency department transfer communication. [abstract B178] American Geriatric Society 2018 Annual Scientific Meeting. Orlando, FL, May 3-5, 2018.
73. \*\*Gettel C, **Merchant RC**, Li Y, Long S, Tam A, Marks S, Pertsch N, and Goldberg EM. Does completeness of nursing home transfer documentation impact emergency department admission? [abstract] Society for Academic Emergency Medicine Annual Meeting. Indianapolis, IN, May 16-18, 2018.
74. \*\*Wiskel T, **Merchant RC**, and Mackey J. Developing an accident and emergency HIV Testing program in Belize City: recommendations from key stakeholders. [abstract] 2018 International Conference in Emergency Medicine. Mexico City, Mexico, June 6-9, 2018.
75. **Merchant RC**, Marks SJ, Clark MA, Liu T, Rosenberg JG, Bauermeister J, and Mayer KH. Are US black, Hispanic and white YMSM at risk for HIV acquisition being tested in accordance with national HIV testing recommendations? Results from a national study. [abstract] 22<sup>nd</sup> International AIDS Conference (IAS 2018). Amsterdam, The Netherlands, July 23-27, 2018.
76. Marks SJ, **Merchant RC**, Clark MA, Liu T, Rosenberger JG, Bauermeister J, and Mayer KH. Increasing HIV testing among non-urban YMSM: can home-based rapid HIV self-testing help? [abstract] 6<sup>th</sup> Annual Rural HIV Research and Training Conference. Savannah, GA, September 21-22, 2018.
77. \*\*Goldberg EM, Wilson T, Marks SJ, and **Merchant RC**. Can home blood pressure monitoring assist in the detection of undiagnosed hypertension among emergency department patients with elevated blood pressure? [abstract 107] American College of Emergency Physicians Research Forum. San Diego, CA, October 1-3, 2018.
78. Murphy L, Paolucci G, Pittenger L, Akande M, Marks SJ, and **Merchant RC**. Impact on ED length of stay and CPT critical care billing of an Advanced Practice Provider-led Emergency Department Critical Care Step-Down Unit (CCSU). [abstract 18] American College of Emergency Physicians Research Forum. San Diego, CA, October 1-3, 2018.
79. \*\*Corl KA, Prodroumo M, Marks SJ, **Merchant RC**, and Levy M. The restrictive intravenous fluid trial in severe sepsis and septic shock (RIFTS): a pilot study. [abstract] ESICM LIVES 2018, 31<sup>st</sup> Annual Congress. Paris, France, October 20-24, 2018.
80. **Merchant RC**, Marks SJ, Carey MP, Clark MA, and Liu T. Utility of three screening items in identifying adult English- and Spanish-speaking emergency department patients with lower health literacy skills. [abstract] American Public Health Association 2018 Annual Meeting & Expo. San Diego, CA. November 11, 2018.
81. **Merchant RC**, Marks SJ, Carey MP, Clark MA, and Liu T. Can a pictorial brochure improve HIV/AIDS and HIV testing knowledge among adult emergency department patients with lower health literacy as well as a video? [abstract] 2019 National HIV Prevention Conference. Atlanta, GA. March 18-21, 2019.
82. **Merchant RC**, Marks SJ, Carey MP, Clark MA, and Liu T. Previous HIV testing is not associated with greater knowledge about HIV/AIDS and HIV testing. [abstract] 2019 National HIV Prevention Conference. Atlanta, GA. March 18-21, 2019.
83. Marks SJ, **Merchant RC**, Carey MP, Clark MA, and Liu T. Changes in HIV risk self-perception among higher HIV risk heterosexual and injection-drug using emergency department patients after an HIV/AIDS and HIV testing knowledge intervention. [abstract] 2019 National HIV Prevention Conference. Atlanta, GA. March 18-21, 2019.
84. \*\*Goldberg EM, Marks SJ, and **Merchant RC**. Feasibility and initial efficacy of GAPcare: the Geriatric acute and post-acute fall prevention program. [abstract] Society for Academic Emergency Medicine annual meeting. Las Vegas, NV. May 15-17, 2019.

85. \*\*Goldberg EM, Marks SJ, Beaudoin FL, and **Merchant RC**. Medication recall and implications on safe prescribing in older adults who present to the ED. [abstract] Society for Academic Emergency Medicine annual meeting. Las Vegas, NV. May 15-17, 2019.
86. \*\*Corl KA, Abbasi, A, Azab N, Nayeemuddin M, Schick A, Lopardo T, Baird G, **Merchant RC**, Levy M, and Blaivas M. Implementation of an inferior vena cava collapsibility cutoff of 25% detects fluid responsiveness in spontaneously breathing critically ill patients. [abstract] 2019 ATS International Conference. Dallas, TX. May 17-22, 2019.
87. \*\*Marks SJ, **Merchant RC**, Carey MP, Clark MA and Liu T. Providing information according to patients' preferred methods, video or pictorial brochure, does not increase the knowledge gained from an HIV/AIDS and HIV testing information intervention. [abstract] National Conference on Health Communication, Marketing and Media. Atlanta, GA. August 13-15, 2019.
88. \*\*Marks SJ, **Merchant RC**, Clark MA, Carey MP, and Liu T. Participants with the lowest health literacy levels do not benefit from either a pictorial brochure or video designed to increase knowledge of HIV/AIDS and HIV testing. [abstract] National Conference on Health Communication, Marketing and Media. Atlanta, GA. August 13-15, 2019
89. \*\*Bennett CL, Marks SJ, Bauermeister JA, Clark MA, Liu T, Mayer KH, and **Merchant RC**. Discordance of perceived undiagnosed HIV infection risk with HIV sexual risk-taking behaviors among YMSM. [abstract] 37<sup>th</sup> GLMA Annual Conference on LGBTQ Health. New Orleans, LA. September 11-14, 2019.
90. Abbasi A, Azab N, Nayeemuddin M, Schick A, Lopardo T, Phillips GS, **Merchant RC**, Levy MM, Blaivas M, and Corl KA. Corrected carotid flow time assessed by novice sonologists fails to predict fluid responsiveness in intensive care unit patients. [abstract] ESCIM 32 Annual Congress. Berlin, Germany. September 28-October 3, 2019.
91. \*\*Qu B, Wiskel T, Mackey J, Habet M, Marks SJ, and **Merchant RC**. HIV testing history, testing interest, and HIV risk-taking behaviors among accident and emergency department patients in Belize City. [abstract] American College of Emergency Physicians Research Forum. Denver, CO. October 27-29, 2019.
92. \*\*Goldberg EM, Marks SJ, and **Merchant RC**. GAPCare: a pilot randomized controlled trial of an emergency department fall prevention intervention – preliminary results. [abstract] American College of Emergency Physicians Research Forum. Denver, CO. October 27-29, 2019.
93. \*\*Osigwe C, Veldkamp P and **Merchant RC**. Development of screening tool for HIV PrEP eligibility in the emergency department. [abstract] 2019 Mid-Atlantic Regional SGIM Meeting. Pittsburgh, PA. November 15, 2019.
94. \*\*Wentz A, Shireman T, Marshall B, Wang RC, Liu T and **Merchant RC**. Variation in opioid analgesia administration and discharge prescribing in emergency department patients with suspected urolithiasis. [abstract] Society for Academic Emergency Medicine Annual Meeting. Denver, CO. May 14, 2020.
95. McGrath M, Beaudoin FL, House S, Lewandowski C, Hendry PL, Musey PI, Sheikh S, Storrow AB, Jones CW, Swor RA, Kurz MC, Haran JP, Gentile N, Mohiuddin K, Chang AM, Pearson C, Domeier R, **Merchant RC**, O'Neil BJ, Datner, E, and McLean S. Invisible wounds: adverse posttraumatic neuropsychiatric sequelae among patients discharged from 29 emergency departments. [abstract] Society for Academic Emergency Medicine Annual Meeting. Denver, CO. May 14, 2020.
96. \*\*Bennett C, Marks SJ, Liu T, Clark MA, Carey MP and **Merchant RC**. Who still needs to be tested for Human Immunodeficiency Virus in United States emergency departments? [abstract] Society for Academic Emergency Medicine Annual Meeting. Denver, CO. May 14, 2020.
97. Long S, Marks S, **Merchant RC**, Goldberg E. Adherence to recommended medication changes among geriatric patients presenting to the emergency department after a fall: a pilot intervention study. [abstract] Academy Health. Boston, MA. June 13-16, 2020.
98. \*\*Bennett C, Marks SJ, Liu T, Clark MA, Carey MP, and **Merchant RC**. Who's not being tested for HIV and why among adult patients in US emergency departments. [abstract] 23rd International AIDS Conference. San Francisco and Oakland, CA. July 6-10, 2020.

99. **Merchant RC**, Marks SJ, Clark MA, Carey MP and Liu T. Retention of knowledge about HIV/AIDS and HIV testing among adult emergency department patients: implications for HIV testing and prevention. [abstract] American College of Emergency Physicians Research Forum. Dallas, TX, October 26-29, 2020.
100. \*\*Goldberg EM, Metts C, Resnik LJ, **Merchant RC**. RI FitTest: The Development of an Apple Watch app and research protocol to collect cognitive, motor, and fall data from older adults with falls. [abstract] The Patient, the Practitioner, and the Computer: Promoting Healing Relationships in the Age of Technology (Section: Human Centered HIT and Patient-Empowering Technologies). Brown University, Providence, RI, January 8th, 2021.
101. \*\*Solnick R, Ager A, Curry Z, Ahmed F, Gutting A, **Merchant RC**, Kocher K. Impact of a best practice alert on the implementation of expedited partner therapy. [abstract] Society for Academic Emergency Medicine Annual Meeting. New Orleans, LA. May 10-13, 2022.
102. \*\*Solnick R, Rothenberg C, **Merchant RC**, Kocher K. Racial and gender disparities in the diagnosis and empiric treatment of sexually transmitted infections. [abstract] Society for Academic Emergency Medicine Annual Meeting. New Orleans, LA. May 10-13, 2022.
103. \*\*Rosenberg N, Ndebwannimana V, Niyonzima J, Beeman A, Munyanziza S, Niyonsaba M, Staton C, **Merchant RC**. Sensitivity and specificity of a Rwanda-focused alcohol use disorder screening instrument. [abstract] Society for Academic Emergency Medicine Annual Meeting. New Orleans, LA. May 10-13, 2022.
104. \*\*Rosenberg N, Ndebwanimana V, Niyonzima J, Beeman A, **Merchant RC**, Staton, C. Acceptability and feasibility of a Rwanda-focused alcohol use disorder screening instrument. [abstract] 47<sup>th</sup> Annual Symposium of the Kettil Bruun Society for Social and Epidemiological Research on Alcohol. Warsaw, Poland. May 30-June 3, 2022.
105. \*\*Rosenberg N, Ndebwanimana V, Niyonzima J, Staton C, **Merchant RC**, Ricardo J. Psychometric properties of a Rwanda-focused alcohol use disorder screening instrument. [abstract] 45<sup>th</sup> Annual RSA Scientific Meeting. Orlando, FL. June 25-29, 2022.
106. Ager E, Sturdavant W, DeJonckheere M, Gutting A, **Merchant RC**, Kocher K, Solnick R. Emergency Department clinician perspectives on a pilot ED-based expedited partner therapy program: a qualitative study. [abstract] American College of Emergency Physicians 2022 Research Forum. San Francisco, CA. October 1-4, 2022.
107. \*\*Rosenberg N, Ndebwanimana V, Niyonzima J, Staton C, **Merchant RC**. Prevalence of alcohol and illicit drug use among Rwandan emergency department patients. [abstract] 2022 African Conference on Emergency Medicine. Accra, Ghana. November 16-18, 2022.
108. Babu KM, Haddad Y, Causey S, Bleser JA, Chapman BP, Dorfman JD, Elhoussan R, Goldberg EM, Graham LA, Krotulski AJ, Logan BK, Martinez PMAE, Saif R, Thomas DD, Vargas-Torres C, Walton S, and **Merchant RC**. Ethanol, cannabis, benzodiazepines and opioids prevalence in older adults assessed for serious injuries from falls. [abstract] 2023 Society for Academic Emergency Medicine National Meeting. Austin, TX. May 16-29, 2023.
109. \*\*Solnick RE, Kocher KE, Cowan EA, **Merchant RC**, and Janke TA. National trends in emergency department visits for sexually transmitted infections: cross-sectional analysis. [abstract] 2023 Society for Academic Emergency Medicine National Meeting. Austin, TX. May 16-29, 2023.
110. \*\*Renny M, Barvincak J, Zebrowski Z, Hurd Y, and **Merchant RC**. Trends in emergency department visits for substance use in youth from 2018 to 2022. [abstract] Pediatric Academic Societies 2023 Meeting. Washington, DC. April 27-May 1, 2023.
111. \*\*Renny MH, Berger J, Love J, and **Merchant RC**. Alcohol and drug use among youth presenting to the pediatric emergency department: an opportunity for intervention. [abstract] North American Congress of Clinical Toxicology. Montreal, Quebec, Canada. September 29, 2023.
112. \*\*Samuels EA, Goedel WC, Jent V, Hollowell B, Karim S, Conkey L, Koziol J, Jordison Keeler LA, Becker S, **Merchant RC**, Yorlets R, Reddy N, McDonald J, Cerda M, and Marshal BDL. Characterizing opioid overdose hotspots for place-based overdose prevention and treatment interventions: a geo-spatial

- study. [abstract] Association for Multidisciplinary Education and Research in Substance use and Addiction 2023 Meeting. Washington, DC. November 2-4, 2023.
113. \*\*Azqul M, Krakower D, Sahir K, and **Merchant RC**. Patient and ED medical staff factors associated with abdominal computed tomography scan utilization in United States emergency departments to evaluate adults with diarrhea (NHAMCS-ED 2016-2020). [abstract] American College of Emergency Physicians 2023 Research Forum. Philadelphia, PA, October 9, 2023.
  114. \*\*Azqul M, Krakower D, Sahir K, and **Merchant RC**. Age-related trends in laboratory testing, radiologic imaging, empiric antibiotics, intravenous fluids, and hospital admission among adult patients presenting with diarrhea to United States emergency departments (2016-2020). [abstract] American College of Emergency Physicians 2023 Research Forum. Philadelphia, PA, October 9, 2023.
  115. \*\*Renny MH, Berger J, Love JS, and **Merchant RC**. Substance Use Among Youth Presenting to the Pediatric Emergency Department. [abstract] Pediatric Academic Societies (PAS) 2024 Meeting. Toronto, Canada, May 2-6, 2024.
  116. \*\*Solnick RE, Kocher KE, Cowan EA, and **Merchant RC**. Health Disparities of Recurrent Sexually Transmitted Infections: Retrospective Study of a Multihospital System. [abstract] 2024 Society for Academic Emergency Medicine National Meeting. Phoenix, AZ. May 14-17, 2024.
  117. **Merchant RC**, Clark MA, Carey MP, Liu T, Loo G, and Cowan EA. Three pilot randomized controlled trials evaluating a persuasive health communication intervention for adult emergency department patients declining HIV/HCV testing. [abstract] American College of Emergency Physicians 2024 Forum. Las Vegas, NV. September 29, 2024.
  118. Ramirez-Castillo D, Vargas-Torres C, Blutinger E, Shafran-Topaz L, Daniels B, Masterson-Creber R, Reading-Turchioe M, and **Merchant RC**. Lack of telehealth capable devices among patients with heart failure as a barrier to virtual outpatient follow-up care. [abstract] American College of Emergency Physicians 2024 Research Forum. Las Vegas, NV. September 29, 2024.
  119. Patel R, Shafran-Topaz L, Blutinger EJ, Masterson-Creber R, Reading-Turchioe M, **Merchant RC**, and Daniels B. Reasons for emergency department transport during home visits for patients with heart failure in a mobile integrated health program. [abstract] American College of Emergency Physicians 2024 Research Forum. Las Vegas, NV. September 29, 2024.
  120. Capeta-Romero A, **Merchant RC**, Martinez P, Clark M, Ramirez-Castillo D, Solnick R, and Strother C. Uncovering challenges to and solutions for improving adolescent STI care in the pediatric emergency department: A qualitative study. [abstract] American Public Health Association 2024 Annual Meeting. Minneapolis, MN. October 28, 2024.
  121. Babu K, Chapman B, Martinez P, Vargas-Torres C, Causey S, Krotulski A, Walton S, Capeta-Romero A, London-Barreras R, Bailey M, Dorfman J, and **Merchant RC**. Relationship of ethanol, cannabinoids, benzodiazepines, and opioids to serious injuries from falls in older adults. [abstract] American Public Health Association 2024 Annual Meeting. Minneapolis, MN. October 28, 2024.
  122. Krotulski AJ, Walton SE, Chapman B, Martinez PM, Hampson A, Logan BK, Babu K, and **Merchant RC**. Evaluating pharmacokinetics of xylazine in humans-a paired forensic and clinical model. [abstract] 2025 American Academy of Forensic Scientists Annual Scientific Conference. Baltimore, MD. February 20, 2025.
  123. **Merchant RC**, Martinez PME, Chapman B, Loo GT, Walton S, Krotulski AJ, Nguyen J, Olabisi DO, Polackal JN, and Babu K. Effect of Fentanyl and Xylazine on Prehospital CPR and Intubation for Suspected Opioid Overdose. [abstract] Society for Academic Emergency Medicine Annual Meeting. Philadelphia, PA, May 13-16, 2025.
  124. \*\*Wyler B, Dempsey A, Dai, Kotikovski M, Capeta Romero A, and **Merchant RC**. Missed opportunities for diagnosis of early mpox: retrospective analysis of healthcare visits preceding mpox diagnosis during NYC's 2022 outbreak. [abstract] American College of Emergency Physicians Research Forum. Salt Lake City, UT, September 9, 2025.

125. \*\*Renny MH, Berger JC, Grierson H, Cerino-Peñaloza MS, Padilla-Zambrano HS, and **Merchant RC**. Identifying key priorities for an emergency department intervention for youth with substance use. [abstract] American College of Emergency Physicians Research Forum. Salt Lake City, UT, September 7, 2025.
126. \*\*Solnick R, Londono R, Vargas-Torres C, **Merchant RC** and Maroko A. Neighborhood socioeconomic disadvantage and STI positivity among emergency department patients in New York City. [abstract] American College of Emergency Physicians Research Forum. Salt Lake City, UT, September 7, 2025.

\*\*Indicates first author is mentee

## **INVITED LECTURES/PRESENTATIONS**

### **Local Invited Presentations:**

*No presentations below were sponsored by outside entities.*

- |                     |  |
|---------------------|--|
| 2002–2003           | Nonoccupational HIV post-exposure prophylaxis guidelines for Rhode Island / Grand rounds<br>Brown University AIDS Program, The Miriam Hospital, Providence, RI (2002)<br>Family medicine residency program, Memorial Hospital of Rhode Island, Pawtucket, RI (2002)<br>Internal medicine residency program, Rhode Island Hospital, Providence, RI (2003) |
| 2003                | Post-exposure prophylaxis after healthcare worker blood or body fluid exposures /<br>Grand rounds<br>Brown University Department of Surgery, Rhode Island Hospital, Providence, RI   |
| 2003, 2004,<br>2005 | Healthcare worker blood or body fluid exposure management / Lecture<br>Brown University AIDS Program Annual Primary Care Provider Update, Providence, RI   |
| 2003                | Nonoccupational HIV post-exposure prophylaxis / Grand rounds<br>Department of Obstetrics and Gynecology, Women and Infants' Hospital, Providence, RI   |
| 2004                | Demographic, geographic, and temporal patterns of suspected opiate overdose in Rhode Island /<br>Speaker series<br>Lifespan/Tufts/Brown Center for AIDS Research, The Miriam Hospital, Providence, RI  |
| 2004, 2005          | Blood or body fluid exposure management in the dental healthcare setting / Lecture<br>Brown University AIDS Program<br>Rhode Island Department of Corrections, Cranston, RI  |
| 2006                | Nonoccupational HIV post-exposure prophylaxis / Lecture<br>Brown University AIDS Program<br>Rhode Island Association of Nurses in AIDS Care, Spain Restaurant, Cranston, RI  |
| 2006                | Blood or body fluid exposure management: 2006 update / Lecture<br>Brown University AIDS Program, Annual Primary Care Provider Update, Providence, RI   |
| 2007                | Structural Changes to Promote HIV Prevention. The Global Threat of HIV Among Women:<br>Challenges and Responses / Panelist<br>Brown University AIDS Program Symposium, The Miriam Hospital, Providence, RI   |



- 2008 Post-exposure prophylaxis for hepatitis and HIV / Grand rounds  
Kent Hospital, Warwick, RI
- 2008 Emergency department blood or body fluid exposure and HIV post-exposure prophylaxis utilization / Lecture  
Brown University AIDS Program, Primary Care Provider HIV/AIDS Symposium  
Providence, RI
- 2009 Post-Exposure prophylaxis for healthcare-related blood or body fluid exposures / Lecture  
Rhode Island Chapter of the American College of Emergency Physicians and Rhode Island Chapter of the American College of Surgeons Joint Educational Meeting  
Warwick, RI
- 2009 Post-exposure prophylaxis for healthcare-related blood or body fluid exposures / Lecture  
Brown University AIDS Program, Primary Provider HIV/AIDS Symposium, Providence, RI
- 2009 HIV screening and diagnostic testing in US emergency departments: what have we learned so far? / Keynote speaker  
17<sup>th</sup> Annual Hospital Research Celebration, Rhode Island Hospital, Providence, RI
- 2010 Clinical evaluation and management of blood and body fluid exposures / Grand rounds  
Memorial Hospital of Rhode Island, Pawtucket, RI
- 2012 Interrelationships among alcohol use and misuse, HIV sexual risk and HIV testing uptake among emergency department patients / Speaker series  
Lifespan/Tufts/Brown Center for AIDS Research, Research in Progress Seminar, The Miriam Hospital, Providence, RI
- 2018 Exorcising the Ghosts: Managing problems with co-authors  
Responsible Conduct of Research / Speaker series  
Brigham and Women's Hospital, Boston, MA
- 2018 Increasing HIV testing and PrEP utilization among US YMSM: a proposed randomized, controlled trial  
Harvard University Center for AIDS Research / Research in development series  
Fenway Institute, Boston, MA
- 2018 Exorcising the Ghosts: Managing problems with co-authors  
Responsible Conduct of Research / Speaker series  
Massachusetts General Hospital, Boston, MA
- 2019 Exorcising the Ghosts: Managing problems with co-authors  
Responsible Conduct of Research / Speaker series  
Massachusetts General Hospital, Boston, MA  
and Charlestown Navy Yard, Boston, MA
- 2020 Exorcising the Ghosts: Managing problems with co-authors  
Responsible Conduct of Research / Speaker series  
Brigham and Women's Hospital, Boston, MA
- 2020 Exorcising the Ghosts: Managing problems with co-authors

Responsible Conduct of Research / Speaker series  
Massachusetts General Hospital, Boston, MA

2020 Exorcising the Ghosts: Managing problems with co-authors  
Renal Grand Rounds  
Brigham and Women's Hospital, Boston, MA

### **Regional, National and International Invited Teaching and Presentations**

*Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.*

#### **Regional:**

2007 Blood or body fluid exposure management / Grand rounds  
Quincy Medical Center, Quincy, MA

2008 Rapid HIV Testing in the emergency department / Lecture  
Hartford, CT (Event sponsor/unpaid speaking role: OraSure Technologies, Inc.)

2009 Blood or body fluid exposure and HIV post-exposure prophylaxis / Lecture  
New Hampshire Society of Health System Pharmacists, Concord, NH

2009 Emergency department blood or body fluid exposure and HIV post-exposure prophylaxis  
utilization / Speaker series  
HIV/AIDS Seminar Series, Dartmouth-Hitchcock Medical Center, Lebanon, NH

2010 Emergency department blood or body fluid exposure evaluations and post-exposure prophylaxis  
utilization / Grand rounds  
Department of Emergency Medicine, Yale University School of Medicine, New Haven, CT

#### **Regional oral presentations of research abstracts**

2001 **Merchant RC**, Keshavarz R, Wilets I, Low C, Wilets I, Richardson B, and Jacobson J. HIV  
postexposure prophylaxis provided at a large, urban, pediatric emergency department after  
sexual assault. [abstract] First Annual New York State Region Society for Academic Emergency  
Medicine Regional Meeting, Rochester, NY, March 2001.

#### **National:**

2003 Nonoccupational HIV post-exposure prophylaxis for adolescents and children / Lecture  
Medicine Infectious Diseases Symposium, Mount Sinai School of Medicine, Mount Sinai Hospital  
New York, NY

2007 Ethical, financial, and legal concerns for emergency department-based HIV screening / Moderator  
National Emergency Department HIV Testing Consortium  
Baltimore, MD

2008 Emergency department blood or body fluid exposure and HIV post-exposure prophylaxis  
utilization / Grand rounds  
Department of Emergency Medicine, Mount Sinai School of Medicine

New York, NY

- 2009 CDC HIV testing guidelines: unresolved ethical concerns / Grantee presentation  
American Foundation for AIDS Research (amFAR) Investigators Meeting  
Boston, MA
- 2010 Brief intervention for drug misuse for the emergency department / Grantee presentation  
NIDA SBIRT Grantee Meeting  
Bethesda, MD
- 2012 Emergency department HIV testing: what then, and what now? / Grand rounds  
Department of Emergency Medicine, University of Alabama at Birmingham  
Birmingham, AL
- 2013 Brief intervention for drug misuse for the emergency department / Webinar presentation  
NIDA SBIRT Grantee Meeting  
Bethesda, MD
- 2015 Emergency department blood or body fluid exposure evaluations and post-exposure prophylaxis for  
adult patients / Grand Rounds  
Orlando Regional Medical Center, Department of Emergency Medicine  
Orlando, FL
- 2015 Brief interventions for substance misuse in the adult emergency setting / Grand Rounds  
Orlando Regional Medical Center, Department of Emergency Medicine  
Orlando, FL
- 2015 Inside the study section: what sinks great grant proposals / Didactic session  
Errors of commission / Lecture  
Society for Academic Emergency Medicine Annual Meeting  
San Diego, CA
- 2016 Emergency department HIV testing: What do we know and not know? / Grand rounds  
University of South Florida Division of Infectious Diseases  
Tampa, FL
- 2016, Joint Grantee National Meeting / Faculty member and discussion leader  
2017, Emergency Medicine Foundation/Society for Academic Emergency Medicine Foundation  
2018 Bethesda, MD
- 2017 Emergency department HIV testing: lessons learned and questions remaining / Grand rounds  
University of California, San Francisco, Zuckerberg San Francisco General Hospital  
San Francisco, CA
- 2018 Introduction to data collection and management for emergency medicine research/Presentation  
(CME)  
Society for Academic Emergency Medicine Advanced Research Methodology Evaluation and  
Design (ARMED) Course  
San Diego, CA
- 2018 Improving HIV/AIDS and HIV testing health literacy through video-based learning

Mount Sinai School of Medicine Emergency Medicine Alumni Annual Conference  
Mount Sinai Medical Center  
New York, NY

- 2018      Reviews, systematic reviews and meta-analyses: aren't they the same, but different? / Webinar presentation (CME)  
Society for Academic Emergency Medicine Advanced Research Methodology Evaluation and Design (ARMED) Course
- 2018      Research career mentoring over the academic life cycle: tips for mentors and mentees  
Panel presentation (chair and organizer) (CME)  
Society for Academic Emergency Medicine Annual Meeting  
Las Vegas, NV
- 2019      Evaluation of an advanced practice provider emergency department critical care step-down unit  
Mount Sinai School of Medicine Emergency Medicine Alumni Annual Conference  
Mount Sinai Medical Center  
New York, NY
- 2022      Prevalence of ethanol, cannabis, benzodiazepines and opioids among older adults evaluated in seven US emergency departments for serious injuries after falls  
Centers for Disease Control and Prevention Older Adult Falls Reverse Site Visit  
Atlanta, GA
- 2025      Sentanyl II: initial findings / Grand rounds  
Department of Emergency Medicine, University of Alabama at Birmingham  
Birmingham, AL

#### **National oral presentations of research abstracts:**

- 2003      **Merchant RC**, Mayer KH, Browning CA. Nonoccupational HIV post-exposure prophylaxis guidelines for Rhode Island healthcare practitioners from the Brown University AIDS Program and the Rhode Island Department of Health: a unique public and private collaborative effort for HIV prevention. [abstract 566] CDC National HIV Prevention Conference. Atlanta, GA. August 27–30, 2003.
- 2003      **Merchant RC**, Becker BM, Mayer KH, Fuerch J, and Schreck B. Blood or body fluid exposures and HIV post-exposure prophylaxis provision at a large, urban emergency department. [abstract 390] CDC National HIV Prevention Conference. Atlanta, GA. August 27–30, 2003.
- 2005      **Merchant RC**, Mayer KH, Becker BM, Pugatch DL, and Duffy SJ. Comparison of emergency department sexually transmitted disease and pregnancy testing and prophylaxis utilization after pediatric sexual assault. [abstract 113458] American Public Health Association 133rd Annual Meeting & Exposition, Philadelphia, PA. December 10–14, 2005.
- 2007      **Merchant RC**, Seage GR III, Mayer KH, Clark MA, DeGruttola VG, and Becker BM. Does willingness to undergo rapid HIV testing in the emergency department vary by patient demography and history of HIV testing? [abstract 352] 2007 National HIV Prevention Conference, Centers for Disease Control and Prevention, Atlanta, GA, December 4, 2007.

- 2007 **Merchant RC** and Catanzaro BM. HIV diagnostic testing in US emergency departments, 1993–2004. [abstract 582] 2007 National HIV Prevention Conference, Centers for Disease Control and Prevention, Atlanta, GA, December 3, 2007.
- 2008 **Merchant RC**, DePalo DM, Liu T, Rich JD, and Stein MD. Predictors of a chlamydia and/or gonorrhea infection among adult male emergency department patients. [abstract 15400] 2008 National STD Prevention Conference, Centers for Disease Control and Prevention, Chicago, IL, March 10–13, 2008.
- 2008 **Merchant RC**, Clark MA, Mayer KH, Seage III GR, DeGruttola VG, and Becker BM. Video-delivered rapid HIV pre-test information to streamline HIV testing. [abstract 210] 2008 National Summit on HIV Diagnosis, Prevention, and Access to Care, Arlington, VA. November 19–21, 2008.
- 2009 **Merchant RC**, Waxman MJ, Clark MA, Maher JG, Celada MT, Beckwith CG, Liu T, Simmons EA, and Mayer KH. Will the 2006 CDC HIV testing recommendations reduce stigma and increase HIV testing? [abstract 271] 2009 CDC National HIV Prevention Conference, Atlanta, GA. August 2009.
- 2012 **Merchant RC**, Clark MA, Liu T, Santelices C, and Cortes D. Can a video substitute for an in-person discussion in delivering HIV pre-test information to Spanish-speaking Latinos and better serve those with lower health literacy? [abstract #31945] 2012 National Conference on Health Communication, Marketing, and Media. Atlanta, GA, August 7–9, 2012.
- 2014 **Merchant RC**, Baird JR, Liu T, Taylor L, Montague BT, and Nirenberg T. Does a brief intervention increase HIV/HCV screening among drug-using emergency department patients? [abstract #743] 2014 Society for Academic Emergency Medicine Annual Meeting, Dallas, TX, May 17, 2014.
- 2015 **Merchant RC**, Baird JR, Liu T and Nirenberg TD. Does a brief intervention for adult emergency department patients decrease drug misuse and increase drug treatment services utilization? [abstract 54] 2015 Society for Academic Emergency Medicine Annual Meeting, San Diego, CA, May 12–15, 2015.
- 2015 **Merchant RC**, Clark MA, Rosenberger J, Bauermeister J, and Mayer KH. Low PrEP utilization among among social media-using young adult Black, Hispanic and white MSM at higher risk for HIV acquisition. [abstract] 2015 CDC National HIV Prevention Conference. Atlanta, GA. December 6–9, 2015.
- 2015 **Merchant RC**, Clark MA, Rosenberger J, Bauermeister J, and Mayer KH. Incongruence between self-perceived HIV risk and reported sexual risk among social media-using Black, Hispanic and white YMSM. [abstract] 2015 CDC National HIV Prevention Conference. Atlanta, GA. December 6–9, 2015.
- 2016 **Merchant RC**, Zhang Z, Liu T, and Baird JR. Does a brief intervention reduce drug use and increase drug treatment utilization among adult emergency department patients over a one-year period? [abstract 74] Society for Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 10–13, 2016.
- 2017 **Merchant RC**, Romanoff J, Zhang Z, Liu T and Baird JR. Impact of a brief intervention on reducing alcohol use and increasing alcohol treatment services utilization among alcohol- and drug-

- using adult emergency department patients. [abstract] Society for Academic Emergency Medicine annual meeting. Orlando, FL, May 16–19, 2017.
- 2018      **Merchant RC**, Marks SJ, Clark MA, Carey MP and Liu T. Correlates of lower health literacy among adult Spanish-speaking immigrant US emergency department patients. [abstract] American Public Health Association Annual Meeting and Exposition, San Diego, CA, November 10-14, 2018.
- 2018      **Merchant RC**, Carey MP, Marks SJ, Clark MA and Liu T. Can a shortened, self-administered version of the Short Assessment of Health Literacy identify English- or Spanish-speaking adult emergency department patients with lower health literacy? [abstract] American Public Health Association Annual Meeting and Exposition, San Diego, CA, November 10-14, 2018.
- 2024      **Merchant RC**, Clark MA, Carey MP, Liu T, Loo G, and Cowan EA. Three pilot randomized controlled trials evaluating a persuasive health communication intervention for adult emergency department patients declining HIV/HCV testing. [abstract] American College of Emergency Physicians 2024 Forum. Las Vegas, NV. September 29, 2024

### **International**

- 2005      HIV post-exposure prophylaxis in the corrections setting / Presentation  
Joint International Labor Organization/World Health Organization Technical Meeting for the Development of Policy Guidelines on Occupational and Non-Occupational Post-Exposure Prophylaxis for HIV, Geneva, Switzerland
- 2010      Management of occupational and non-occupational exposures to HIV and recommendations for post-exposure prophylaxis / Lecture  
Prevención y manejo integral de VIA/SIDA/ITS  
3er Congreso Internacional y 9na Jornada Académica  
Pontificia Universidad Católica del Ecuador, Quito, Ecuador
- 2015      Emergency department blood or body fluid exposure evaluations and post-exposure prophylaxis for adult patients / Lectures to multiple groups of medical students  
Universidad Nacional Autónoma de Nicaragua, Managua, Nicaragua
- 2015      Brief interventions for substance misuse in the adult emergency medicine setting / Lectures to multiple groups of medical students  
Universidad Nacional Autónoma de Nicaragua, Managua, Nicaragua