

Rachel Solnick, MD, MSc

I am an emergency physician and health services researcher interested in health equity, women's health, and patient-centered public health interventions in the Emergency Department. Her recent work focused on improving ED care for sexual and reproductive health issues, particularly through expedited partner therapy and HIV pre-exposure prophylaxis.

APPOINTMENTS/EMPLOYMENT

09/2021- current: Assistant Professor, Department of Emergency Medicine, Mount Sinai Hospital, Icahn School of Medicine, New York, NY

07/2019-07/2021: Emergency medicine physician, Clinical lecturer and Health Services Research fellow, National Clinical Scholars Program, Institute for Health Policy and Innovation, Ann Arbor, MI

EDUCATION

1. **Undergraduate Degree** 8/2006- 5/2010 BA graduate, Rice University, Psychology; Health Policy, Houston, TX
2. **Masters Degree** 8/2010-9/2011 MSc graduate, University College London, Social Epidemiology
3. **Medical School** 8/2011-5/2015 MD graduate, Baylor College of Medicine, Houston, TX
4. **Training Program** 6/2015-6/2019 Residency- Emergency Medicine Residency, Yale School of Medicine, New Haven CT; 07/2019-07/2021 Health Services Research fellow- National Clinical Scholars Program, Institute for Health Policy and Innovation, Department of Emergency Medicine, University of Michigan, Ann Arbor, MI

HONORS/AWARDS

Mount Sinai STAR Award for Patient Care	Winter 2022
MEMC22 1 st place for Best Research Poster (American Academy of EM)	Fall 2022
MEMC22 Top 25 Outstanding Poster (American Academy of Emergency Medicine)	Fall 2022
AWAEM Junior Faculty Development Forum Scholarship	Spring 2022
University of Michigan Faculty Development Grant "Wolverine Den" \$10,000	Spring 2021
Yale Emergency Medicine Program Annual Resident Research Award	Spring 2019
SAEM19 Top 100 Abstract: Effect of physician race/gender on patient evaluation	Spring 2019
SAEM19 Gallery of Excellence Award for Poster: Parental Leave by EM Residents	Spring 2019
SAEMF/ AWAEM Research Grant (\$5,000) Co-PI	Spring 2019
AMA Women Physician Section Giambalvo Research Grant (\$10K) Co-PI	Summer 2017
AAEM/ RSA Health Policy Congressional Fellowship Scholarship	Summer 2017
AAEM/ RSA FeminEM FIX Conference Travel Scholarship	Fall 2017
ACEP Leadership and Advocacy Conference Travel Scholarship	Fall 2016
FeminEM Honoring Inspiring Professionals Award, Honorable Mention	Fall 2016
TMA Medical Student Section Leadership Honor Society	2016
TMA Foundation Champion of Health Award, secondary winner: Medical Miles	Winter 2015
Gold Humanism Honor Society "Humanistic & patient-centered care"	2015
ACEP Medical Student Healthcare Policy & Government Relations Intern	2014
Doctors for Change Health Care Advocacy Award, for BCM Wellness 5k	Winter 2012
Rice's Wagoner Foreign Study Award for Postgraduate Study	Fall 2010
Rice Trustee Distinguished Scholarship	2006- 2010
Rice Women's Resource Center Impact Award: "Role model in empowering women"	Spring 2009
US Postal Service Frederick J. Heinen Scholarship	Spring 2007
Psi Chi -Psychology Honor Society Member	2008

PROFESSIONAL ROLES

A. Institutional:

- a. Chair: Mount Sinai Expedited Partner Therapy Policy Workgroup (2021-present)
- b. Member: MSHS Institute for Health Equity Research (2022-present)
- c. Co-lead on MSHS ED Sexually Transmitted Infection order set production (2021-2022)
- d. Lead: MSHS Expedited Partner Therapy prescribing protocol (2021-2022)
- e. Site lead: Mount Sinai HCV Screening and Health Educators (2021-present)
- f. Member: Institute for Health Policy and Innovation (IHPI) University of Michigan (2019-2021)
- g. Co-chair: Yale EM Wellness Committee (2016-2019)

B. Local: Associate member: Center for Drug Use and HIV HCV Research (CDUHR) (2023-present)

C. State: Member: NYSDOH Expedited Partner Therapy Subcommittee

D. National: Member: AMA (2012- present), SAEM (2015- present), ACEP (2015-2021) within SAEM: EM Transmissible Diseases and Epidemics (EMTIDE) and Academy for Women in Academic Medicine

E. External

- a. Michigan Women's Health Initiative (MiWHI): National Panel on Pain Management for Pregnant and Birthing Individuals (April 2023)
- b. ACOG: Alliance for Innovation on Maternal Health (AIM) Task Force on Sepsis (2021-2022)
- c. Board of Directors: Emergency Medicine Resident's Association, Health Policy Director (2016-2018)
- d. Board of Directors: National Emergency Medicine Political Action Committee (2016-2019)
- e. Board of Directors: Emergency Medicine Action Fund (2016- 2018)
- f. Councilor: American College of Emergency Physicians Council (2016-2018)
- g. Health Policy Fellow: American Academy of Emergency Medicine Health Policy Congressional Fellowship in Office of Congressman Raul Ruiz (September 2017)
- h. Intern: ACEP/ EMRA Health Policy & Government Relations Intern (August 2017)
- i. Governing Council: AMA Women Physicians Section (2014-2015)

j. Vice Chair: Texas Medical Association Medical Student Section (2014-2015)

GRANTS

R21 Development of a model to implement guideline-concordant STI/HIV healthcare and screening for adolescents in the pediatric emergency department NR020168-01	Co-Investigator 5/2021- 5/2023 \$157,579
R01 Evaluation of a persuasive health communication intervention designed to increase HIV/HCV screening among emergency departments patients who currently, formerly or never injected drugs R01 DA055533-01 PI: Roland Merchant	Co-Investigator 10/2021-10/2026 \$2,498,641
22-HRT-60 CDC/New York City Department of Health and Mental Hygiene Systems-Level Change for Normalizing Routine HIV Testing in High-Volume Health Care Settings (HRT) PI: Ethan Cowan	Co-Investigator 02/01/22 – 07/31/25
University of Michigan, Department of Emergency Medicine, Faculty development grant “Implementation of Expedited Partner Therapy in the Emergency Department”	Principle Investigator 3/2020-6/2021 \$10,000
SAEMF/ Academy for Women in Academic Emergency Medicine Research Grant “Family Leave in Residency: Program Director Survey	Principle Investigator 3/2019-3/2020 \$5,000
Emergency Medicine Residents Association “What is the effect of differing financial incentives on survey response rates?”	Principle Investigator 10/2018- 10/2019 \$1,800
AMA Women Physician Section Grant Award “Does a physician’s race and gender effect their patient evaluations?”	Principle Investigator 11/2017- 11/2019 \$10,000

Peer Reviewed Original Contributions

Ager E, Sturdavant W, Ahmed A, Curry Z, Kocher K, Merchant C, **Solnick RE** Mixed-method evaluation of an expedited partner therapy take-home medication program: a pilot ED intervention to improve sexual health equity. Under Review WestJEM

Solnick RE, Cortes R, Chang E, Dudas P, Jamison C, Mmeje O, Deng D, Kocher. K A National Study of Barriers and Facilitators of Expedited Partner Therapy Use in Emergency Departments: A Qualitative Study. Submitting to Annals EM

Solnick RE, Cortes R, Chang E, Dudas P, Jamison C, Mmeje O, Deng D, Kocher. K. A National Study of Expedited Partner Therapy Use in Emergency Departments: A Survey of Medical Director Knowledge, Attitudes and Practices.. Under Review Academic EM

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):1-15. doi:10.1186/s12873-022-00633-5

Pearson WS, Tromble E, Jenkins WD, **Solnick R**, Gift TL. Choosing the Emergency Department as an Alternative for STD Care: Potential Disparities in Access. *J Health Care Poor Underserved.* 2022;33(3):1163-1168. doi:10.1353/hpu.2022.0103

Solnick RE, Vijayasiri G, Li Y, Kocher KE, Jenq G, Bozaan D. Emergency department returns and early follow-up visits after heart failure hospitalization: Cohort study examining the role of race. *PLoS One.* 2022;17: e0279394. doi:10.1371/journal.pone.0279394

Solnick R, Scott K, Li K, Cutter C, Kirch M, Kullgren J, Malani P, Singer D, Solway E, Kocher KE. “Cost Concerns and Avoidance of the Emergency Department: A National Survey of Older US Adults” 2022 Accepted AJMC pending publication. 2022 Available: <https://www.ajmc.com/view/older-adults-perspectives-on-emergency-department-costs-during-covid-19>

Solnick RE, Jarou Z, Boatright D. Political Priorities, Voting, and Political Action Committee Engagement of Emergency Medicine Trainees: A National Survey. Accepted West JEM. 2022

Solnick RE, May L, Fleegler M, Kocher KE. Are Case Counts Necessary When Facing a Public Health Crisis? Sexually Transmitted Infections Deserve Data. *Ann Emerg Med.* 2021;78(3):460-461. doi:10.1016/j.annemergmed.2021.05.009

Solnick RE, Choi H, Kocher KE. Voting Behavior of Physicians and Healthcare Professionals. *J Gen Intern Med.* Published online January 22, 2021. doi:10.1007/s11606-020-06461-2

Solnick RE, Chao G, Ross RD, Kraft-Todd GT, Kocher KE. Emergency Physicians and Personal Narratives Improve the Perceived Effectiveness of COVID-19 Public Health Recommendations on Social Media: A Randomized Experiment. *Acad Emerg Med.* Published online December 2, 2020. doi:10.1111/acem.14188

Solnick RE, Peyton K, Kraft-Todd G, Safdar B. Effect of Physician Gender and Race on Simulated Patients’ Ratings and Confidence in Their Physicians: A Randomized Trial. *JAMA Netw Open.* 2020;3(2):e1920511. doi:10.1001/jamanetworkopen.2019.20511

Peyton K, **Solnick R**. What Do We Learn From an Equivalence Study Without Statistical Power? *Annals of Emergency Medicine* 2018;72(2):223–4. [Letter to the Editor https://doi.org/10.1016/j.annemergmed.2018.03.001](https://doi.org/10.1016/j.annemergmed.2018.03.001)

Luo, J, Flynn, JM., **Solnick, RE**, Ecklund, EH, & Matthews, RW. (2011). International Stem Cell Collaboration: How Disparate Policies between the United States and the United Kingdom Impact Research. *PLOS ONE*, 6(3), e17684. <https://doi.org/10.1371/journal.pone.0017684>

Books and Book Chapters

Schlicher N, Haddock A, Solnick R. *Emergency Medicine Advocacy Handbook*. 5th Edition ed: Emergency Medicine Resident's Association; 2019.

INVITED LECTURES/PRESENTATIONS

[Extramural Invited- National] Perinatal Sepsis: Engaging Across the Care Continuum to Improve Outcomes. AIM Annual Meeting, Alliance for Innovation on Maternal Health/ American College of Obstetricians and Gynecologists, Washington, DC (September 2022)

[Extramural Invited- National] Implementation Science for Expedited Partner Therapy. SAEM Lion's Den Research Proposal, Society of Academic Emergency Medicine. New Orleans, LA (May 2022)

[Extramural Invited- National] Sexual Health Equity: Emergency Departments Role. Emergency Medicine Residents Association Health Policy Committee, Webinar (March 2022)

CONFERENCE ABSTRACTS

Invited poster. Solnick RE, Janke J, Cowan E, Merchant R, Kocher K. "National Trends in Emergency Department Visits for Sexually Transmitted Infections: Cross-sectional Analysis." SAEM, Austin, TX. (May 2023)

Invited poster. Ager E..., Solnick R. "Emergency Department Clinician Perspectives on a Pilot ED-Based Expedited Partner Therapy Program: a Qualitative Study." ACEP, San Francisco, CA. (October 2022)

Invited poster. Solnick R, ..., Kocher K. "Impact of a Best Practice Alert on the Implementation of Expedited Partner Therapy." AAEM (American Academy of Emergency Medicine Congress, St. Julians, Malta. (May 2022)

Invited oral presentation. Solnick R, Rothenberg C, Merchant R, Kocher K, "Racial and Gender Disparities in the Diagnosis and Empiric Treatment of Sexually Transmitted Infections." SAEM, New Orleans, LA. (May 2022)

Virtual conference presentation. Rachel Solnick ... David Bozaan, "Factors Associated with Early Follow-Up Visits and Lower Emergency Department Returns in Patients Hospitalized for Heart Failure." Academy Health (June 2021)

Invited oral presentation. Rachel Solnick, Kirstin Scott, Kathleen Li, Christina Cutter, Keith E. Kocher, "Concerns about the Cost of Emergency Department Care: A National Survey of Older US Adults." SAEM, (May 2021)

Invited oral presentation. "A National Study of Barriers and Facilitators of Expedited Partner Therapy Use in Emergency Departments" ACEP Annual meeting, Virtual. (October 2021)

Virtual conference presentation. "National Survey of Expedited Partner Therapy in Emergency Departments" National Clinician Scholars Program Annual Meeting, Oral Presentation, Virtual, (September 2020)

Accepted abstract. Rachel Solnick, Daniel Noguee, Zach Jarou, Dowin Boatright. "The Effect of Monetary Incentives on Survey Completion by Emergency Medicine Trainees: A Randomized Trial." SAEM (May 2020)

Accepted abstract. Rachel Solnick, Basmah Safdar, Scott Pasichow, Alyson McGregor, Tracy Madsen. "National Emergency Medicine Program Director Survey of Parental Leave for Emergency Medicine Residents." SAEM (5/2020)

Invited oral abstract. "Does Physician Race and Gender Effect Patient Evaluations: Evidence from National Patient Analogue Experiments." SAEM Las Vegas, NV. (May 2019)

Invited poster. "Perceptions and Use of Parental Leave by Emergency Medicine Residents." SAEM, Las Vegas, NV. (May 2019)

Invited oral abstract. "Political Priorities, Voting and Political Action Committee Engagement of Emergency Medicine Trainees." SAEM, Las Vegas, NV. (May 2019)

MEDIA

<https://www.rethinksticare.org/>: Public facing website for EPT/ (coming: PrEP) implementation in EDs