

# Samantha Allison Hay, MD, MPH

## Curriculum Vitae

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### Hospital Contact

University of Illinois in Chicago (UIC)  
Emergency Medicine • 471 CMET  
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## Summary

- Highly trained emergency physician with expertise in public health, social emergency medicine, and health policy
- Seeking to provide the best care possible to all patients, especially those most vulnerable, through direct patient care, implementation science, and political advocacy

## Education

- Harvard Medical School / Brigham and Women's Hospital, Boston, MA 2021 – 2023  
Health Policy and Social Emergency Medicine Clinical Research  
Fellowship, Emergency Medicine  
*Concentration in social determinants of health (SDoH)*
- Harvard T.H. Chan School of Public Health, Boston, MA 2021 – 2023  
Master of Public Health (MPH), Health Policy  
*New World Social Innovation (Cheng) Fellow: rigorous co-curricular accelerator for social innovators at the Harvard Kennedy School*
- University of Chicago Medical Center, Chicago, IL 2018 – 2021  
Emergency Medicine Residency  
*Global Health Track*
- Virginia Commonwealth University School of Medicine, Richmond, VA 2014 – 2018  
Doctor of Medicine (MD)  
*Class Rank: First Quartile*  
*Aesculapian Scholar: merit-based academic scholarship*
- Syracuse University, Syracuse, NY and Florence, Italy 2008 – 2012  
Bachelor of Arts (BA), Biophysical Science, Global Political Economy  
*Summa Cum Laude*  
*Coronat Scholar: full four-year merit-based academic scholarship*

*Renée Crown University Honors Program*  
*NCAA Division IA Dance Team*

## Experience

### Academic Appointments

- Director of Health Equity and Population Health  
University of Illinois in Chicago, Chicago, IL 2023 – present
- Assistant Professor in Emergency Medicine  
University of Illinois in Chicago, Chicago, IL 2023 – present
- Clinical Fellow in Health Policy and Social Emergency Medicine Research 2021 – 2023  
Harvard Medical School, Boston, MA
- Clinical Instructor in Emergency Medicine  
Brigham and Women's Hospital, Boston, MA 2021 – 2023
- Resident Physician in Emergency Medicine  
University of Chicago Medical Center, Chicago, IL 2018 – 2021

### Non-Academic Appointments

- Per Diem Attending Physician in Emergency Medicine  
Martha's Vineyard Hospital, Oak Bluffs, MA 2023 – present
- Physician Moonlighter in Emergency Medicine  
University of Chicago Medical Center, Chicago, IL 2019 – 2021
- Physician Escort  
AXA Assistance USA, International Medical Transport, Chicago, IL 2019 – 2021
- Flight Physician  
University of Chicago Aeromedical Network, University of Chicago  
Medical Center, Chicago, IL 2018 – 2021

### Research Appointments

- Dr. William C. Moloney Research Fellow  
American Cancer Society, Brigham and Women's Hospital, Boston, MA 2012 – 2013

- Research Intern and Assistant  
University of Massachusetts, Worcester, MA 2010 – 2012

## Professional Activities

### Organization Leadership

- Chicago Women in Emergency Medicine (ChiWEM) 2020 – 2021
  - Board of Directors
- American Academy of Emergency Medicine (AAEM) 2018 – present
  - Population health grant awardee 2022
- American College of Emergency Physicians (ACEP) 2017 – present
  - Public Health Committee 2022 – present
  - Health Policy Academy, Emergency Medicine Residents Association (EMRA) 2019 – 2020
  - Massachusetts College of Emergency Physicians (MACEP) 2021 – 2023
    - Leadership and Advocacy Fellowship 2023
    - Delegate to ACEP's Council 2023
  - Illinois College of Emergency Physicians (ICEP) 2018—2021,
    - Leadership Scholarship 2023 – present
- American Medical Association (AMA) 2014 – 2018
  - Committee on Legislation and Advocacy (COLA) 2015 – 2017
  - Medical Society of Virginia (MSV) 2014 – 2018
    - Chair and Vice Chair of Medical Students Section 2016 – 2018
  - Worcester District Medical Society 2016 – 2018
    - Cariglia and Williams Book Award

### Innovation

- University of Illinois in Chicago Emergency Department 2024 – present

- Co-creator of Center for Health Access  
*Developing a central organizing point to support implementation science research and community engagement related to social EM*
- Brigham and Women's Hospital Emergency Department
  - Creator of HousED 2022 – 2023  
*Developed an original approach to housing that positions hospital-specific housing navigators in EDs to address homelessness*
  - Liaison to Massachusetts Executive Office of Health and Human Services (HHS) 2022 – 2023  
*Piloted an original public-private partnership novel cottage housing community in Boston to address homelessness*

### Academic Leadership

- University of Illinois in Chicago (UIC)
  - Faculty Advisor, Residency Social Emergency Medicine Track 2023 – present
  - Faculty Lead, Residency Community and Advocacy Committee 2023 – present
  - Member, Hospital Health Equity Committee 2023 – present
  - Faculty Lead, Human Trafficking Task Force 2023 – present
  - Member, Bridging the Gap and Health Justice Symposium 2023 – present
  - Conference Planning Committees
- University of Chicago Medical Center Emergency Department
  - Director, The Women's Initiative 2020 – 2021
  - EMRA Residency Representative 2020 – 2021
  - Creator, Monthly Wellness Newsletter 2019 – 2020
  - Residency Coordinator, Recruitment Events 2019 – 2020
  - Member, Social Emergency Medicine Interest Group 2018 – 2021
- Virginia Commonwealth University School of Medicine
  - Member, Admissions Committee 2017 – 2018
  - Ambassador, Office of Admissions 2014 – 2016

- Leader, Benacerraf Society, Class of 2018 2014 – 2016
- President and Selected Representative, MSV and AMA 2014 – 2016

## Grants

- Thematic Program Development Grant 2022 – 2023  
University of Illinois College of Medicine  
Chicago, IL  
*Awarded \$30,000 to establish Center for Health Access*
- New World Social Innovation (Cheng) Fellowship  
Social Innovation and Change Initiative (SICI), Harvard Kennedy School,  
Boston, MA  
*Awarded \$30,000 to support social innovation initiative*
- Trainee Research Grant 2022  
Center of Expertise, Health Policy and Management, DEI and Community  
Health, Mass General Brigham, Boston, MA  
*Awarded \$3,000 to support research project*
- Social Emergency Medicine and Population Health Grant 2022  
AAEM  
*Awarded \$2,500 to support research project*

## Research

### Research in Progress

- University of Illinois in Chicago  
Co-investigators: Steve Brown, MSW, LCSW, Neeraj Chhabra, MD, MD, MSCR, FACMT  
Retrospective identification of persons experiencing homelessness in EHR using key words and AI modeling  
2024 – present
- UIC, Gilead Sciences FOCUS Program, Project HEAL  
Co-investigators: Janet Lin, MD, MPH, MBA

Screening, education, and linkage-to-care initiative with a focus on HIV, hepatitis C, syphilis, diabetes, and breast cancer

2023 – present

- Mass General Brigham  
Mentors: Scott Weiner, MD, MPH, Kalpana Shankar, MD, MSHP  
Prospective mixed methods survey-based quantitative and interview-based qualitative study assessing perceptions of social determinants of health (SDoH) screening in the ED among patients and providers  
2022 – 2023
- Mass General Brigham, Massachusetts Executive Office of HHS, Eliot Community Human Services, Commonwealth Care Alliance (CCA)  
Mentors: Scott Weiner, MD, MPH, Kalpana Shankar, MD, MSHP  
Retrospective quantitative analysis of a novel cottage housing community in Boston, piloted as an innovative response to homelessness  
2022 – 2023

### Posters and Abstracts

- Mahaswaran AB, Green J, Mauntel-Medici C, Trotter A, **Hay S**, Lin J. Emergency Departments are Novel Venues for PrEP Outreach, Low Levels of PrEP Awareness Complicate Uptake Among Patients with Recent STI Diagnoses. *2024 APHA Annual Meeting*. Minneapolis, MN. 28 October 2024.
- **Hay SA**, Prabhala J, Umale N, Hasdianda M, Shankar K, Jambaulikar G, Weiner S. Assessing Perceptions of Social Determinants of Health (SDoH) Screening in the Emergency Department (ED) among Patients and Providers. [abstract]. *Annals of Emergency Medicine*. 2023 Oct; 82(4):S68.
- **Hay SA**, Prabhala J, Shankar K, Weiner S. Assessing Perceptions of Social Determinants of Health (SDoH) Screening in the Emergency Department (ED) among Patients and Providers. [abstract]. *2023 ACEP Annual Assembly*. Philadelphia, PA. 9 October 2023.
- **Hay SA**, Druse L, Brown S, Mulroe S, Moore PQ, Stanford KA. Lessons Learned from the Homelessness Response During the COVID-19 Pandemic in Chicago. [abstract]. *2020 SAEM Midwest Regional Meeting* [virtual]. Cleveland, OH. 23 September 2020.
- Kukulski P, Goode D, McAvoy B, **Hay SA**, Ahn J. Geographical Trends In EM Residency Applications. [abstract]. *WestJEM*. 2020 Aug; 21(4).
- Kukulski P, Goode D, McAvoy B, **Hay SA**, Ahn J. Geographical Trends In EM Residency Applications. [abstract]. *2020 CORD Annual Assembly*. New York, NY. 2020 Feb.
- Marsh T, Kuznetsov HS, Markens BA, Castaño Z, Greene-Colozzi A, **Hay SA**, Brown VE, Richardson AL, Signoretti S, Battinelli EM, McAllister SS. Identification of luminal breast cancers that establish a tumor supportive macroenvironment defined by proangiogenic platelets and bone marrow derived cells. [abstract]. *Cancer Res*. 2013 Feb; 73(3 Suppl): Abstract nr PR2.

- **Hay, SA.** Identification of luminal breast cancers that establish a tumor-supportive macroenvironment defined by proangiogenic platelets and bone marrow-derived cells. *American Cancer Society*. Framingham, MA. 15 August 2012.
- **Hay, SA.** Modulating The Effects of Radiotherapy on Growing Bone with Vibrational Loading. Renée Crown University Honors Program. *Capstone Project*. Syracuse University. Syracuse, NY. 15 April 2012.

### Peer-Reviewed Publications

- Kaymak E, Farley BM, **Hay SA**, Li C, Ho S, Hartman DJ, Ryder SP. Efficient generation of transgenic reporter strains and analysis of expression patterns in *Caenorhabditis elegans* using library MosSCI. *Developmental Dynamics*. 2016 Jul; 245 (9): 925-936.
- Clingman CC, Deveau LM, **Hay SA**, Genga RM, Shandilya SM, Massi F, Ryder SP. Allosteric inhibition of a stem cell RNA-binding protein by an intermediary metabolite. *eLife*. 2014 Jun; 3(e02848). <https://elifesciences.org/articles/02848>
- Kuznetsov HS, Marsh T, Markens BA, Castaño Z, Greene-Colozzi A, **Hay SA**, Brown VE, Richardson AL, Signoretti S, Battinelli EM, McAllister SS. Identification of luminal breast cancers that establish a tumor-supportive macroenvironment defined by proangiogenic platelets and bone marrow-derived cells. *Cancer Discovery* 2012 Dec; 2 (12): 1150-1165.

### Non-Peer-Reviewed Publications

- Committee on Legislation and Advocacy (COLA). Improving Detection, Awareness, and Prevention of Lead Contamination in Water. *AMA-MSS Digest of Policy Actions*. 2016 Jun; 440.057MSS (MSS Res 23, A-16). <<https://www.ama-assn.org/sites/default/files/media-browser/public/mss/mss-digest-of-policy-actions.pdf>>
- Committee on Legislation and Advocacy (COLA). Electronic Health Records (E.H.R.). Medical Student Section Issue Brief, American Medical Association. <<https://www.ama-assn.org/sites/default/files/media-browser/public/about-ama/who-we-are/ama-issue-brief-ehr.pdf>>. Published April 2016.
- Committee on Legislation and Advocacy (COLA). Higher Education Act Reauthorization. Medical Student Section Issue Brief, American Medical Association. <<https://www.ama-assn.org/sites/default/files/media-browser/public/about-ama/who-we-are/ama-issue-brief-hea.pdf>>. Published April 2016.
- Committee on Legislation and Advocacy (COLA). Patient-Centered Medicine. Medical Student Section Issue Brief, American Medical Association. <<https://www.ama-assn.org/sites/default/files/media-browser/public/about-ama/who-we-are/patient-centered-medical-home.pdf>>. Published April 2016.
- Medical Society of Virginia (MSV) Medical Students Section (MSS). Evaluating the Effectiveness of the Step 2 Clinical Skills Exam. *The Medical Society of Virginia Updated 2016-2017 Policy*

*Compendium*. 2016 Oct; 305.012.

<[https://www.msv.org/sites/default/files/msvpolicycompendium\\_2016\\_17.pdf](https://www.msv.org/sites/default/files/msvpolicycompendium_2016_17.pdf)>

- Medical Society of Virginia (MSV) Medical Students Section (MSS). Burnout and Suicide Prevention. *The Medical Society of Virginia Updated 2016-2017 Policy Compendium*. 2016 Oct; 305.011. <[https://www.msv.org/sites/default/files/msvpolicycompendium\\_2016\\_17.pdf](https://www.msv.org/sites/default/files/msvpolicycompendium_2016_17.pdf)>
- Committee on Legislation and Advocacy (COLA). Addressing the U.S. Drug Shortage Crisis. *AMA-MSS Digest of Policy Actions*. 2015 Oct; 100.015MSS (MSS Res 1, I-15; AMA Res 201, A-16 Referred for Decision). <<https://www.ama-assn.org/sites/default/files/media-browser/public/mss/mss-digest-of-policy-actions.pdf>>
- Committee on Legislation and Advocacy (COLA). Prior Authorization Reform. *AMA-MSS Digest of Policy Actions*. 2015 Oct; 120.012MSS (MSS Res 13, I-15). <<https://www.ama-assn.org/sites/default/files/media-browser/public/mss/mss-digest-of-policy-actions.pdf>>

## Teaching

### National and Regional Lectures

- Advancing Health for Women Panelist. *Health Equity Summit 3.0, Kearney*. Chicago, IL. 17 October 2024.
- Assessing Perceptions of Social Determinants of Health (SDoH) Screening in the Emergency Department (ED) among Patients and Providers. *ACEP Annual Meeting*. Philadelphia, PA. 9 October 2023.
- HousED: An Innovative Emergency Department (ED) Housing Navigator Framework. *2023 Social Innovator Showcase*, Harvard Kennedy School, Boston, MA. 27 April 2023.
- A novel cottage housing community in Boston pilots an innovative public-private partnership to address homelessness. *Alumni Leadership Retreat*, Harvard T.H. Chan School of Public Health, Boston, MA. 28 April 2023.
- Lessons Learned from the Homelessness Response During the COVID-19 Pandemic in Chicago. *SAEM Midwest Annual Meeting*, Cleveland, OH. 23 September 2020.
- Most Memorable Moment in Emergency Medicine: The Complexity of TBI. *Windy City Emergency Medicine Conference*. Resurrection Medical Center, Chicago, IL. 18 September 2019.

### Institutional Lectures

- Acute Respiratory Distress Syndrome (ARDS). *Brown Coat Core, UIC Emergency Medicine Conference*. UIC. 30 January 2025.
- The Pursuit of Justice. *Tamara O'Neal Health Justice Symposium, UIC Emergency Medicine Conference*. UIC. Chicago, IL. 6 November 2024.
- Fourteen-year-old with bilateral vision loss. *Clinical Pathologic Case, UIC Emergency Medicine Conference*. UIC. 3 October 2024.



- Introduction to Altered Mental Status. *Brown Coat Core, UIC Emergency Medicine Conference*. UIC. 3 October 2024.
- Substance Abuse and Improving Community Health Section Moderator. *Bridging the Gap*. UIC. Chicago, IL. 27 September 2024.
- Breaking Bad: Rib Fractures and Complications. *Brown Coat Core, UIC Emergency Medicine Conference*. UIC. Chicago, IL. 25 July 2024.
- Health Policy and Social Emergency Medicine: Combatting Health Inequities with Many Hats. *Tamara O'Neal Health Justice Symposium, UIC Emergency Medicine Conference*. UIC. Chicago, IL. 2 November 2023.
- Health Policy and Social Emergency Medicine Research Fellowship: Combatting Health Inequities with Many Hats. *Mass General Brigham Health Services Research Division Meeting*. Brigham and Women's Hospital, Boston, MA. 1 June 2023.
- Health Policy and Social Emergency Medicine: Leading with Many Hats. Harvard-Affiliated Emergency Medicine Residency (HAEMR) Leadership Interest Academy. *HAEMR Didactics Conference*. Brigham and Women's Hospital, Boston, MA. 31 May 2023.
- Morbidity and Mortality Conference: Cardiogenic Shock. *University of Chicago Emergency Medicine Conference*. UChicago Medical Center. Chicago, IL. 24 September 2020.
- Senior Board Review. *University of Chicago Emergency Medicine Conference*. UChicago Medical Center. Chicago, IL. 24 September 2020.
- Pediatric Status Epilepticus Treatment Algorithm. *University of Chicago Emergency Medicine Conference*. UChicago Medical Center. Chicago, IL. 12 December 2019.
- Chemical Injuries. *University of Chicago Emergency Medicine Conference*. NorthShore University Health System. Evanston, IL. 15 August 2019.

### Simulations

- Subarachnoid Hemorrhage (SAH) with increased Intracranial Pressure (ICP). *UIC Emergency Medicine Conference*. UIC, Chicago, IL. 3 October 2024.
- Disseminated Intravascular Coagulation (DIC). *UIC Emergency Medicine Conference*. UIC, Chicago, IL. 13 June 2024.
- Tourniquet Application. *HAEMR Didactics Conference*. Brigham and Women's Hospital, Boston, MA. 4 March 2022.

### Selected Volunteer Work

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| • UIC Faculty Advisor, Chicago Street Medicine, Chicago, IL    | 2024 – present |
| • UIC Faculty Advisor, My Block, My Hood, My City, Chicago, IL | 2024 – present |

- Stakeholder, CHHRGE (Chicago Homelessness and Health Response Group for Equity) 2023 – present
- Physician Volunteer, Chicago Marathon Medical Tent, Chicago, IL 2018 – 2021
- Medical Student Volunteer, Center for High Blood Pressure Free Clinic, Richmond, VA 2014 – 2018
- Grade School Tutor, Church Hill Activities and Tutoring, Richmond, VA 2014 – 2018
- Playspace Volunteer, Horizons for Homeless Children, Worcester, MA 2012 – 2014
- International Medical Volunteer, Global Medical Brigades, rural communities, Honduras 2010 – 2012

## Certifications and Licensure

- Illinois Medical License 2023 – present
- Massachusetts Medical License 2021 – present
- Illinois Medical License (temporary) 2018 – 2021
- Advanced Cardiac Life Support, provider 2018 – present
- Pediatric Advanced Life Support, provider 2018 – present
- Neonatal Advanced Life Support, provider 2018 – present
- Advanced Trauma Life Support, provider 2018 – present

## Professional Membership

- Illinois College of Emergency Physicians (ICEP) 2023 – present;  
2018 – 2021
- Academy Health 2022 – present
- Massachusetts College of Emergency Physician (MACEP) 2021 – 2023
- Society of Academic Emergency Medicine (SAEM) 2018 – present
- American Academy of Emergency Medicine (AAEM) 2018 – present
- Air Medical Physician Association (AMPA) 2018 – 2021
- American College of Emergency Physicians (ACEP) 2017 – present
- Emergency Medicine Residents Association (EMRA) 2017 – 2023
- American Medical Association (AMA) 2014 – present
- Medical Society of Virginia (MSV) 2014 – 2018

## Professional References

- Available upon request