The Department of Emergency Medicine at Northwestern University Feinberg School of Medicine publishes this quarterly research newsletter to highlight department newcomers, Q & A sections from current faculty and alumni, faculty and residency research spotlights, publications updates, and many more features.
Dr. Jennifer Chan is an advisor with the CrisisReady organization affiliated with the Harvard Data Science Initiative. She helps this team with translational readiness and guiding the data science to practice and policymaking. This has been a great interdisciplinary collaboration with a health NGO, the Harvard Data Science Initiative, data scientists, and geographic specialists to better understand population movement during natural disasters using anonymized Facebook/Meta data sources. Please take some time to read this abstract that was presented at the American Geographic Union here in Chicago at McCormick Place.

NH43C-01 - How crowdsourced human mobility data might save us from disaster: Lessons learned from the 2022 hurricane season
Drs. Maryann Mason & Regina Royan presented their study, Gender Differences in Circumstances and Weapon Types used in Fatal Interpersonal Violence-Related Deaths in Chicago, IL: 2015–2019, at the National Research Conference for Firearm Injury Prevention.
How did you first become interested in emergency medicine research?

Before going to medical school, I got an MPH and worked as an epidemiologist and public health advisor for the City of Detroit. I loved the intersection of research and clinical care and so I knew I wanted to build a career around these two interests.

How did your residency experiences contribute to your decision to pursue a research fellowship and research career after training?

I did my residency at University of Chicago which was a phenomenal experience, but also a very taxing one with the amount of trauma and ED mortality we see. I think having a larger view and impact on some of the problems that we see in the ED through research and advocacy has helped me avoid burnout.
How did you ultimately land upon your current areas of research focus?

One of my research interests is firearm injury, which was a direct result of the amount of GSWs I saw on a daily basis during residency, as well as growing up in a very rural environment where firearm ownership is very common. I would say my other research interests are centered on reducing disparities in delivery of acute care, which goes back to my training and interests in public health.

As a resident and fellow, you have been very successful with publications. Please tell us about one of your favorite recent projects or publications.

I am really excited about a current project that I am working on with Alex Lundburg (EM) and Anne Stey (Trauma Surgery). We are estimating hospital costs for firearm injuries in the United States (spoiler alert: it’s in the billions!).

Congratulations on accepting a faculty position at the University of Michigan! What are your future research and career plans?

I am very excited to begin the next step in my career in July as an Assistant Professor at UofM with plans for the tenure track. My goal will be to apply for my K award in the next year! Go Blue! Please reach out if you are in Ann Arbor!

Majka ES, Trueger NS. Emergency Department Visits Among Patients With Cancer in the US. JAMA Netw Open 2023 Jan 03;6(1):e2253797. doi:10.1001/jamanetworkopen.2022.53797

Rundle AG, Crowe RP, Wang HE, Lo AX. A methodology for the public health surveillance and epidemiologic analysis of outdoor falls that require an emergency medical services response. Inj Epidemiol 2023 Jan 12;10(1):4. pii:4


FUTURE CONFERENCES

Council of Residency Directors in Emergency Medicine
March 21-24, 2023
Las Vegas, NV

American College of Medical Toxicology
March 31- April 2, 2023
San Diego, CA

AGS23 Annual Scientific Meeting
March 31- April 2, 2023
San Diego, CA

The Department of Emergency Medicine at Northwestern University Feinberg School of Medicine welcomes your questions and feedback.

Contact Us

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