

**REBECCA ANN KARB, MD, PhD**  
Assistant Professor, Department of Emergency Medicine  
Alpert Medical School, Brown University

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**EDUCATION**

Undergraduate	<b>Hamilton College</b> , Clinton, NY Public Policy and Economics BA, <i>May 2002</i> , Magna Cum Laude
<i>Honors:</i>	Phi Beta Kappa, <i>May 2002</i> Public Policy Prize, <i>May 2002</i> Levitt Scholar, <i>2001</i> Leonard E and Sue J Kingsley Prize Scholarship, <i>2001</i>
Graduate	<b>University of Michigan</b> , Ann Arbor, MI PhD, Social Work and Sociology, <i>June 2010</i> MSW, <i>December 2006</i> Dissertation: "Neighborhood social and physical environments and health: Examining sources of stress and support in neighborhoods and their connection to self-rated health, cortisol and obesity in Chicago"
<i>Honors:</i>	University of Michigan Alumni Award, <i>May 2009</i> Kellogg Fellowship in Children and Families, <i>Winter 2008</i> Rackham Regents Fellowship, <i>September, 2004- June, 2010</i>
Medical School	<b>Harvard Medical School</b> , Boston, MA MD, <i>June 2014</i>

**POSTGRADUATE TRAINING**

Residency	<b>Brown University</b> , Emergency Medicine Residency, Providence, RI Rhode Island Hospital/Hasbro Children's Hospital/Miriam Hospital, 2014-2018
<i>Honors:</i>	<b>Lynton Scholar in Social Emergency Medicine</b> , <i>September 2017</i>

**PROFESSIONAL LICENSES AND BOARD CERTIFICATION**

2019-present	Diplomate, American Board of Emergency Medicine Certified until 12/31/2029
2018-present	Rhode Island State Medical License #MD16189 (active)

### ACADEMIC APPOINTMENTS

2018-present            Assistant Professor, Department of Emergency Medicine, Alpert Medical School, Brown University, Providence, RI

### HOSPITAL APPOINTMENTS

2018-present            Attending Physician, Brown Emergency Medicine/Department of Emergency Medicine, The Miriam Hospital/Rhode Island Hospital/Newport Hospital

### DEPARTMENTAL LEADERSHIP APPOINTMENTS

2022-present            Medical Director, Lifespan Community Health Worker Program and Community Outreach

2021- present            Co-Director, Emergency Medicine Stroke Program, Rhode Island Hospital and The Miriam Hospital

2021-present            Co-Coordinator, EM Residency Journal Club

### HOSPITAL COMMITTEES

2021-present            Lifespan Complex Care Coordination Committee

### CONSULTANT WORK

2022-present            Street Medicine Outreach Worker, House of Hope, Providence, RI

### MEMBERSHIP IN SOCIETIES

2014-present            Society for Academic Emergency Medicine (SAEM)

2014-present            American College of Emergency Physicians (ACEP)

### PUBLICATIONS

**Karb RA**, Madsen TE. 2023. Social Determinants of Health and Stroke Mortality: Contextual

Burton TM, Madsen TE, **Karb RA**, Furie KL. Importance of Sex and Gender Differences in Enrollment and in Interpretation of Stroke Clinical Trials, *Journal of Stroke & Cerebrovascular Diseases*, under review

Royan R, Stamm B, Lin T, et al Neighborhood Socioeconomic Status, Race and Prehospital Emergency Care and Time to Presentation for Stroke, American Heart Association Stroke Data Challenge, under review

Block E, **Karb RA**. The Isolation of Risk: COVID-19 and the affective burden of healthcare provision, *in press Medical Anthropology*

Chin I, **Karb RA**, Goldman RE. 2022. Rhode Island's Response for COVID-Positive Individuals Experiencing Homelessness: A Qualitative Process Evaluation, *Journal of Health Care for the Poor and Underserved*, 33(2):857-869

Self JL, Toews KA, et al and COVID-19 Homelessness Response Team. 2021. Shelter Characteristics, Infection Prevention Practices, and Universal Testing for SARS-CoV-2 at Homeless Shelters in 7 US Urban Areas, *American Journal of Public Health*, 111(5):854-859

**Karb RA**, McNamara S. 2021. Queering the ED: Lesbian, Gay, Bisexual, and Queer Health in Emergency Medicine, in H.J. Alter et al (eds), *Social Emergency Medicine*. Springer Nature Switzerland.

Moretti K, **Karb R**, Durand R, et al. 2021. Wasting No Time: Implementation and the Climate Impact of a Solid Waste Stream Process Intervention in a Large Academic Emergency Department, *Rhode Island Medical Journal*, 104(9):34-37

**Karb RA**, Samuels EA, Vanjani R, Trimbur C, Napoli A. 2020. Homeless Shelter Characteristics and Prevalence of SARS-CoV-2, *Western Journal of Emergency Medicine*, 21(5): 1048-1053.

Ranney M, **Karb RA**, Ehrlich P, Bromwich K, Cunningham R, Beidas RS. 2019. What are the long-term consequences of youth exposure to firearm injury, and how do we prevent them? A scoping review, *Journal of Behavioral Medicine*, 42(4): 724-740.

**Karb R**, Natsui S. 2019. Reflections: Addressing the Quadruple Aim in Social Emergency Medicine. *Annals of Emergency Medicine*, 74(5): S31-S32.

**Karb RA**, Subramanian SV, Fleegler EW. 2016. County Poverty Concentration and Disparities in Unintentional Injury Deaths: A Fourteen-Year Analysis of 1.6 Million U.S. Fatalities. *PLoS ONE*, 11(5): e0153516. <https://doi.org/10.1371/journal.pone.0153516>

**Karb RA**, Elliot MR, Dowd JB, Morenoff JD. 2012. Neighborhood-level stressors, social support, and diurnal patterns of cortisol: The Chicago Community Adult Health Study, *Social Science and Medicine*, 75(6), 1038-1047.

**Karb RA**, Grogan-Kaylor A. 2009. Childhood BMI in Community Context: Neighborhood Safety, Television Viewing, and Growth Trajectories of Body Mass Index, *Health and Social Work*, 34(3), 169-177.

Ortega R, Grogan-Kaylor A, Ruffolo M, Clarke J, **Karb RA**. 2010. "Diversity and child welfare" In Webb, M. B., Dowd, K., Harden, et al (Eds.). *Child welfare and child well-being:*

*New perspectives from the National Survey of Child and Adolescent Well-Being.* New York: Oxford University Press.

Woolley ME, Grogan-Kaylor A., Gilster ME, **Karb RA**, Gant LM, Reischl TM. 2008. Neighborhood social capital, poor physical conditions, and academic achievement. *Children & Schools*, 30(3), 133-145.

Grogan-Kaylor A, Woolley M, Mowbray C, Reischl T, Gilster ME, **Karb RA**, Gant, L, & Alaimo, K 2006. Predictors of Neighborhood Satisfaction. *Journal of Community Practice*, 14(4), 27-50.

## REPORTS

**Karb RA**. November 2, 2011. "Preconception Care at Brookside Community Health Center", Report to Brookside Community Health Center, Jamaica Plain, MA.

**Karb RA**. June 30, 2008. "Choosing a Control Group for the VisionSpring Impact Assessment", Report to the *Base of the Pyramid Initiative*, William Davidson Institute, Ross School of Business, University of Michigan.

**Karb RA**, Grogan-Kaylor A. June 30, 2008. "Statistical Power Considerations for the VisionSpring Impact Assessment", Report to the *Base of the Pyramid Initiative*, William Davidson Institute, Ross School of Business, University of Michigan.

## PRESENTATIONS/LECTURES

"Street Medicine in Rhode Island", Brown Division of Infectious Diseases conference, October 18, 2023

"Statistical Tests of Probability", Center of Excellence in Trauma and Emergencies Longitudinal Research Education and Mentorship Course, October 11, 2023

Naeem AH, Soske J, Merrick C, et al. "Emergency Department Staff Attitudes and Experiences with an Emergency Department Community Health Worker-Peer Recovery Specialist Program for Patients with Substance Use Disorders", American College of Emergency Physicians national conference, October 9, 2023

"Evaluation and management of acute ischemic stroke in the Emergency Department", Rhode Island Stroke Symposium, September 22, 2023

Rana, M, Burton T, Jayaraman M, et al. "Waking Up to a New Wake-Up Stroke Protocol is Feasible and Safe", International Stroke Conference, February 2023

"Evaluation of the Dizzy Patient in the Emergency Department", Rhode Island Stroke Symposium, September 16, 2022

Winters R, D'Andrea L, Karb RA, et al. "Implementation Evaluation of an Emergency Department Community Health Worker-Peer Recovery Specialist Program for People with

Substance Use Disorder”, American Public Health Association Annual Meeting October 25, 2021

“Congregate Shelters and COVID-19 Response”, invited speaker, SAEM Social Emergency Medicine and Population Health Interest Group Annual Meeting, May, 2020.

“Antiracism Training”, Brown Emergency Medicine, June, 2020

“Antiracist Parenting”, Brown Emergency Medicine, July, 2020

“COVID and homelessness”, invited speaker, Brown Medical School elective on Homelessness, Nov 2020

Racism in Medicine, invited facilitator, Brown Medical School Health Systems Science Course Small Group Session, Aug 2020

“Social Emergency Medicine: Addressing the Social Determinants of Health in the ED”, Grand Rounds, Brown Emergency Medicine Conference, Providence, RI, May 2018

“Clinical Pathologic Case Presentation: A Case of Thyrotoxic Periodic Paralysis”, CORD, Fort Lauderdale, FL, Jun 2017

“County Poverty and Unintentional Overdose Mortality: United States 1999-2012” Society of Academic Emergency Medicine, New Orleans, LA, Jun 2016

“One Pill (or sip) Can Kill: A review of pediatric single-dose fatal ingestions” Brown Emergency Medicine Conference, Providence, RI, Dec 2015

“County Poverty Concentration and Disparities in Unintentional Injury Deaths: A Twelve Year Analysis of 1.3 Million U.S. Fatalities” American Public Health Assn, Chicago, IL, Nov 2015

“Restoring Sinus Rhythm in New Onset Atrial Fibrillation: Electrical cardioversion in the ED”, Brown Emergency Medicine Conference, Providence, RI, April, 2015

“Neighborhood context and romantic relationships: Competing models of adolescent relationships in disadvantaged communities.” Population Association of America, New Orleans, LA, Apr, 2008

“Experiences of Racial Discrimination and Mental Health Outcomes: Moderating Effects of Neighborhood Sociostructural Characteristics.” Society for Social Work and Research, Washington, DC, Jan 2008

“More training options and tougher sanctions in a shrinking economy: Worker perceptions of Michigan’s JET program.” Association for Public Policy Analysis and Management, Washington, DC, Nov 2007

“Childhood health in community context: Neighborhood safety, television viewing, and growth trajectories of Body Mass Index”, Pacific Sociological Association, Oakland, Mar 2007

Invited Discussant, “Endogenous Selection”, Causal Inference Symposium, Ann Arbor, Apr 2007

Invited Discussant, “Neighborhood Context in Health and Development”, Conversations Across Social Disciplines, Ann Arbor, Feb 2006

## GRANTS

1. A Comprehensive Care Model for High Utilizers of the Emergency Department  
Rhode Island Foundation (PI: Karb)  
Amount: \$133,000  
Role: Principal Investigator, 10% FTE (completed)
2. Brown Emergency Medicine Diversity, Equity, and Inclusion Grant  
Amount: \$10,000  
Role: Co-Principal Investigator
3. Emergency Department community health-worker peer recovery navigation for linkage to recovery: A mixed-methods evaluation.  
CDC R01  
Amount: \$749,995  
Role: Co-Principal Investigator, 5% FTE (active)
4. Emergency Department-Initiated buprenorphine and Validation Network Trial (ED-INNOVATION) (NIH HEAL Initiative)  
CTN-0099  
Role: Site Co-Investigator, 5% FTE
5. Disparities in Prehospital and Acute Care of Patients with Ischemic Stroke in Rhode Island  
Brown Physicians Incorporated Academic Assessment Award  
Amount: \$50,000  
Role: Principal Investigator, 5% FTE (active)
6. Street Medicine Pilot Program  
Rhode Island Foundation (PI: Karb)  
Amount: \$138,000  
Role: Principal Investigator, 5% FTE (active)

## TEACHING ROLES

### Undergraduate Medical Education

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|-----------|--|
| 2022      | Mentor, Summer Research Assistanceship in Emergency Medicine       |
| 2020-2021 | Mentor, Advanced Clinical Mentorship Program in Emergency Medicine |

- 2015-2019 Small Group Leader, Epidemiology Course, Alpert Medical School of Brown University (15 students/year)
- 2013-2104 Tutorial Leader, Clinical Epidemiology and Population Health, Harvard Medical School (15 students/year)  
Participated in curriculum development and exam writing. Received award for teaching excellence based on student evaluations.

Graduate education: Residency

- 2022-present Co-Coordinator, Social Emergency Medicine Elective  
Developed and implemented SEM Elective for EM residents
- 2018-present Supervise and teach emergency medicine and off-service residents during clinical shifts.
- 2015-2016 Co-coordinator, Emergency Medicine Journal Club.

Graduate education: Fellow

- 2017-present **Lecturer**, Emergency Medicine Research Track, Alpert Medical School of Brown University (~10 students/year)

Undergraduate

- 2009-2010 **Instructor**, Organic Chemistry, The Princeton Review, Ann Arbor, MI. *September*
- 2007-2009 **Graduate Student Instructor**, Sociology 510: Research Methods; Sociology 310: Introduction to Research Methods; Sociology 210: Statistics, University of Michigan Department of Sociology, Ann Arbor, MI.

ACADEMIC SERVICE AND COMMITTEES

- 2020-present **Member, Diversity and Racism Education in Emergency Medicine (DARE-EM)**, Brown Emergency Medicine
- 2016-2017 **Co-chair, Emergency Medicine Residents Association (EMRA) Research Committee**
- 2015-2018 **Co-chair and co-founder, Social Emergency Medicine Group**  
The Social Emergency Medicine Committee exists to integrate the guiding principles of social responsibility, compassion, justice and equity into both the residency curriculum and clinical practice at Brown.
- 2011-2012 **Committee member, Harvard Medical School Admissions Committee**, Harvard Medical School.
- 2006-2010 **Committee member, Conversations Across Social Disciplines (CASD)**, University of

Responsibilities included: recruiting speakers and discussants, advertising for events, encouraging interdisciplinary dialogue and participation.

## MENTORING ROLES

Juliana Crotta-Cox Research Mentor  
*Senior Thesis, Medical Anthropology: Racial Disparities in COVID vaccination*

**U.S. Public Interest Research Group (PIRG), *Intern***, Washington, DC, *Summer 2001*



Worked closely with staff attorney on health care and consumer rights issues. Lobbied for the passage of the Patients' Bill of Rights, and collaborated with Senator Hillary Clinton in blocking the President's nomination to chair the Consumer Product Safety Commission.

**Children's Defense Fund, *Intern***, Washington, DC, *Summer 2001*

Worked on the Community Monitoring Project, an effort to gather information on the impact of welfare reform on children. Created an Advocate's Manual for organizers around the country to use in the implementation of the project.

**Sexual Harassment Grievance Board, *Member***, Hamilton College, Clinton, NY. *Fall 2000-Spring 2002*

Faculty appointed member of Hamilton College judiciary board made up of students, faculty, and administrators. Heard cases involving harassment and sexual assault on campus.