

## Research Interests:

Sustainable Communities, Disasters, Affordable Housing Policy, Spatial Analysis, Climate Change, Epidemiology, Community Health Resilience, Environmental Justice

## Education

---

- 2019 – Present                      **University of Washington**  
Ph.D. Candidate in Environmental and Occupational Hygiene  
Certificate in Qualitative Methods  
*Dissertation:* Assessing National Public Housing Authority Disaster Risk Management of Place-Based Subsidized Housing Units  
*Dissertation Committee:* Nicole Errett Ph.D. (Chair), Jamie Vickery Ph.D., Sara Hamideh Ph.D., Rebecca Walter Ph.D., Andrew Aurand Ph.D, Rachel Fyall Ph.D.
- 2017 – 2019                         **University of California, Berkeley**  
M.P.H. in Environmental and Occupational Health Sciences  
*Thesis:* Noise Pollution & Mental Health, Sleep, and Hypertension: Evidence from 500 U.S. Cities  
*Thesis Committee:* Joan Casey, Ph.D., Rachel Morello-Frosch, Ph.D., Ellen Eisen, Ph.D.
- 2010 – 2014                         **University of California, Santa Cruz**  
B.S. in Molecular Biology

## Professional Experience

---

- 2023                                    Graduate Research Student Assistant  
University of Washington, Runstad Department of Real Estate
- 2019 – 2023                         Graduate Student Researcher  
University of Washington, Collaborative on Extreme Event Resilience (CEER) Lab
- 2019 – 2020                         Research Assistant, Climate Co-Benefits  
University of California, Berkeley – Remais Lab
- 2018 – 2019                         Graduate Student Researcher  
University of California, Berkeley – Sustainability and Health Equity (S/HE) Lab
- 2018 – 2019                         GIS & Climate Change Research Intern  
University of Illinois, Chicago – Building Resilience Against Climate Effects (BRACE)
- 2017                                    Field Research Assistant  
Field Projects International, Peru
- 2014 – 2017                         Clinical Research Associate  
HeartFlow, Inc.

## Publications

---

- Reports
- Khan AS, Morales-Cartagena A, Vickery J, Marquez PI, Errett NA (2023).** Where to prepare? Data-driven Approaches to Hospital Mitigation in the Dominican Republic. *Natural Hazards Center Mitigation Matters Grant Report Series, 16.* Natural Hazards

Center, University of Colorado Boulder. <https://hazards.colorado.edu/mitigation-matters-report/where-to-prepare>

Peer-reviewed

Randazza R, Vickery J, Archer M, Dent L, Herrman C, **Khan AS**, Morris S, Errett NA. (September 16 2022) A Review of Public Health Emergency Preparedness and Response (PHEPR) Curricula in U.S. CEPH-Accredited Schools and Programs of Public Health. *Disaster Medicine and Public Health Preparedness*. doi: <https://doi.org/10.1017/dmp.2022.183>

**Khan AS**, Wittenauer R, Patel R, Baseman J, Miller A, Errett NA. (October 6 2021) Developing A Concept of Operations Template to Guide Collaborative Disaster Research Response Between Academic Public Health and Public Health Agencies. *Disaster Medicine and Public Health Preparedness*. doi: <https://doi.org/10.1017/dmp.2021.280>.

Immel A, Sipos Y, **Khan AS**, Errett NA. (September 14 2021) Getting the Food Out: A Content Analysis of the Online Communication of Seattle Food Banks During the Initial Response to COVID-19. *Journal of Agriculture, Food Systems, and Community Development*. doi: <https://doi.org/10.5304/jafscd.2021.104.009>.

Ogburn EL, Rudolph KE, Morello-Frosch R, **Khan AS**, Casey JA. (July 07 2021) Ogburn et al. Respond to “Estimation and Bounds Under Data Fusion.” *American Journal of Epidemiology*. doi: <https://doi.org/10.1093/aje/kwab195>.

Grossman E, Hathaway M, **Khan AS**, Sambanis A, Dorevitch S. (October 24 2022) A Web-based Interactive Map to Promote Health Care Facility Flood Preparedness. *Disaster Medicine and Public Health Preparedness*, 16(3), 895-898. doi: <https://doi.org/10.1017/dmp.2020.482>

Ogburn EL, Rudolph KE, Morello-Frosch R, **Khan AS**, Casey JA. (December 17 2020) A Warning About Using Predicted Values From Regression Models for Epidemiologic Inquiry. *American Journal of Epidemiology*. doi: <https://doi.org/10.1093/aje/kwaa282>.

Book Chapters

Carlton EJ, **Khan AS**, Remais JV (2020). Co-benefits of Climate Mitigation. In *Global Climate Change and Human Health: From Science to Practice, Second Edition*.

Tools

Errett NE, Kossik A, Archer M, Ceferino L, Clay L, Eid K, **Khan AS**, Mitrani-Reiser J, Rodgers J, Shoaf K, Soriano-Hipol F, Vickery J, Welton-Mitchell C. (December 1 2022) Data Collection Tool: Post-Earthquake Social Determinants of Health Assessment v 1.0. *DesignSafe-CI*. doi: <https://doi.org/10.17603/ds2-wczt-fz53>

Under Review

**Khan AS**, Aurand A, Hamideh S, Vickery J, Walter RJ, Errett NA. (2023) Assessing the Roles and Responsibilities of Public Housing Authorities in State-Level Disaster Plans. *Manuscript submitted for publication*.

Presentations

---

Posters

**Khan AS\***, Aurand A, Hamideh S, Vickery J, Walter RJ, Errett NA. Assessing the Roles and Responsibilities of Public Housing Authorities in State-Level Disaster Plans. Accepted for presentation at the 2023 Natural Hazards Workshop Meeting. July 2023. (\*Presenting Author)

**Khan AS\***, Fussell E, Merdjanoff A, Haces-Garcia F, Sen P, O'Donnell K. Household Migration, Vulnerability, and Recovery. Presented at the 2021 Natural Hazards Center Researchers Meeting. Virtual due to COVID-19. July 2021. (\*Moderator)

**Khan AS\***, Ash C, Rodgers J, Ceferino-Rojas LA, Eid K, Mitrani-Reiser J. Earthquakes, Population Health, and Hospital Security. Presented at the 2021 Earthquake Engineering Research Institute Annual Meeting. Virtual due to COVID-19. March 2021. (\*Moderator)

**Khan AS\***, Morales-Cartagena A, Errett NA. Determinants of hospital disaster mitigation practice implementation in the Dominican Republic. Presented at the 2020 American Public Health Association Annual Meeting. Virtual due to COVID-19. Oct 2020. (\*Presenting Author)

Grossman E\*, Dorevitch S, Hathaway M, **Khan AS**. Flood Planning Mapping Tool: Improving Preparedness for the Health Effects of Climate Change. Presented at the 2019 American Public Health Association Annual Meeting. Nov 2019. (\*Presenting Author)

## Teaching

---

2022	Graduate Teaching Assistant Class: RE 464/564 Affordable Housing
2020	Study Abroad Curriculum Development, Dominican Republic
2020	Co-Chair, Education Subcommittee NIEHS DR2 Cascadia Earthquake Exercise
2018	Head Graduate Student Instructor (TA) Class: PHW 272A Geographic Information Systems for Public Health

## Professional Activities

---

2020 – Present	UW Office of Graduate Student Equity & Excellence Outreaching Graduate Founder, UW People of Color (POC) Outdoors Graduate Student Advisory Board Member
2019 – 2023	Earthquake Engineering Research Institute WA Student Chapter, Vice President
2019 – 2022	American Public Health Association Member
2019 – 2022	Graduate and Professional Student Senate Department Senator

## Awards & Fellowships

---

2022 – 2023	Population Health Initiative Tier 2 Grant Recipient, University of Washington In collaboration with the National Low Income Housing Coalition (NLIHC)
2019 – 2022	Biostatistics, Epidemiologic, and Bioinformatic Training in Environmental Health (BEBTEH) Training Grant, NIH/NIEHS
2019	American Public Health Association Environment Section Scholarship
2018	Public Health Alumni Association Scholarship, UC Berkeley
2017	Preston Scholarship Fund, UC Berkeley

## Additional Skills & Certifications

---

Programming: *R*, QGIS, NVivo Qualitative Software

Certifications: CITI Human Subjects Research, ACRP GCP/ICH Guidelines, HIPAA Compliance, Field Research Safety, Wilderness First Responder, CPR/AED