

## Kari Norheim, Ph.D., M.B.A.

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School of Public Health  
Department of Biostatistics and Epidemiology  
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### EDUCATION/CERTIFICATION

- 2021 Ph.D. - University of North Texas, Denton, Texas, Environmental Science  
*Dissertation: Ozone pollution monitoring and population vulnerability in Dallas – Ft. Worth: A decision support approach*
- 2009 M.B.A.- Syracuse University, Syracuse, NY, Business Administration
- 1996 B.S.- Iowa State University, Ames, IA, Industrial Engineering
- 2014 Texas Education Agency Certification (TEA)  
Composite Science - Environmental Science, Physics, Biology, Chemistry

### PROFESSIONAL EXPERIENCE

- Assistant Professor, UNTHSC* 2022 – current  
*Department of Biostatistics and Epidemiology*
- IES Research Coordinator* 2021 - current
- Adjunct Professor, Department of Geography & Environment* 2021-2022
- Adjunct Assistant Professor, UNTHSC* 2021-2022  
*Department of Biostatistics and Epidemiology*
- Teaching Assistant, Proctor, Grader, Department of Biology* 2017-2018
- Science Instructor, Liberty Christian School* 2012-2014
- Engineer, Carrier Corporation* 1996 – 2006, 2012-2012

### ACADEMIC PUBLICATIONS, RESEARCH & ADVOCACY

#### Journal article publications

- 2023 **Norheim, K., & Oppong, J. R.** (2023). Mapping Health Fragility and Vulnerability in Air Pollution–Monitoring Networks in Dallas–Fort Worth. *International Journal of Environmental Research and Public Health*, 20(3), 1807.
- 2021 **Norheim, Marks, and Tiwari** (2021). PeerJ Life and Environment: *Spatio-temporal Trends of Ozone and Respiratory Emergency Room Visits in Dallas – Fort Worth*
- 2021 **Norheim, Oppong and Tiwari** (2021). *Environmental Science and Policy: Ozone air pollution monitoring and policy: A geospatial decision support system for the placement of air pollution monitors in urban environments.*

#### Academic presentations/accepted abstracts

- 2023 Healthy Neighborhoods – Panel Moderator – UNTHSC Institute for Health Disparities
- 2022 Applied Geography Conference – On-line  
*Health and Vulnerability in DFW*
- 2020 Applied Geography Conference – On-line – Session Organizer  
*Health fragility and vulnerability from environmental pollution*
- 2020 Association of American Geographers, Denver – Presenter  
*(cancelled conference due to Covid-19)*  
*Spatial extent changes in urban environments: Challenges in designing air quality networks*
- 2018 Race Ethnicity & Place Conference, Austin - Presenter  
*Environmental vulnerability in DFW – Are proportions of the population not covered producing potential inequities and disproportionate health burdens?*
- 2018 Association of American Geographers, New Orleans - Poster  
*Challenges in locating sensors for monitoring ozone exposure*
- 2017 Southwest Association of American Geographers, Houston  
*Predicting ozone exposure in DFW - presenter*

#### Committee Member

- 2022 Thesis defense – Amanda Long  
An enhanced methodology for applied spatial modeling of structural and functional connectivity of small mammal habitats (*Peromyscus leucopus*, *Peromyscus maniculatus*, *Apodemus flavicollis*)

#### Journal Reviewer

- 2023 Health & Place, Elsevier, Impact Factor 4.931

#### Honors & Scholarships

- 2017 Beth Baird Tuition Scholarship – UNT
- 2017 LEILA – Painted Bunting Field Research Assistant
- 2017 Golden Key Honors Society – Syracuse University

#### Advocacy & Volunteering

- 2023 Remote Area Medical (RAM) volunteer
- 2023 Fort Worth Regional Science Fair - Judge
- 2020 DFW Downwinders at Risk – Director of Ozone
- 2021 Denton County Medical Reserve Corps – COVID-19 Vaccinations
- 2002 Big Brothers, Big Sisters of America – Big Sister