

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

School of Public Health
Department of Population and Community Health
University of North Texas Health Science Center
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EDUCATION/CERTIFICATION

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| 2021 | Ph.D. - University of North Texas, Denton, Texas, Environmental Science
<i>Dissertation: Ozone pollution monitoring and population vulnerability in Dallas – Ft. Worth: A decision support approach</i> |
| 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

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| <i>Assistant Professor, UNTHSC
Department of Population and Community Health</i> | <i>2022 – current</i> |
| <i>IES Research – Pre-hospital care research</i> | <i>2021 - current</i> |
| <i>Adjunct Professor, Department of Geography & Environment</i> | <i>2021-2022</i> |
| <i>Adjunct Assistant Professor, UNTHSC
Department of Biostatistics and Epidemiology</i> | <i>2021-2022</i> |
| <i>Teaching Assistant, Proctor, Grader, Department of Biology</i> | <i>2017-2018</i> |
| <i>Science Teacher, Liberty Christian School</i> | <i>2012-2014</i> |
| <i>Engineer, Carrier Corporation</i> | <i>1996 – 2006, 2012-2012</i> |

ACADEMIC PUBLICATIONS, RESEARCH & ADVOCACY

Journal article publications/academic presentations

Wang, S., Walters, S., & **Norheim, K.**, (2024). Geographic Trends in Overall and Long-acting Opioid Prescriptions under Medicaid and Medicare Part D in the United States, 2013-2021. *American Journal of Drug and Alcohol Abuse*.

Riddle TJ, Lane M, Fair R, Bryant R, Bertrand S, Norheim J, **Norheim K.** Saving Time Saves Lives: Optimizing Radio Dispatching in Out-of-Hospital Cardiac Arrests. *Cureus*. 2024 Sep 26;16(9):e70257. doi: 10.7759/cureus.70257. PMID: 39463551; PMCID: PMC11512585.

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.

Northeim, Marks, and Tiwari (2021). PeerJ Life and Environment: *Spatio-temporal Trends of Ozone and Respiratory Emergency Room Visits in Dallas – Fort Worth*

Northeim, 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

Northeim, K. (2024) Texas Health Resources – speaker, Climate and Health Conference. EcoVisions: *Transforming Awareness through Art and Environmental Storytelling*

Northeim, K. (2024) Nexus IPE Summit - presenter, *The Benefits of Retreating: How to Unite Your Introprofessional Troop of Faculty Champions for the Charge.*

Kari Northeim, PhD, Emily Spence, PhD, Catherine Sembajwe-Reeves, EdD, and Shafik Dharamsi, PhD, Impact 2030: A strategic plan for educating the healthcare workforce of the future, Ubuntu TUFH Conference, Cape Town, South Africa

Mendoza, E.P., Neelamegam, M., Balasundaram, R.B., Zhou, Zhengyang, & **Northeim, K.** (2024, 1-2 February). *Geospatial intersection of Alzheimer's Disease and Related Dementias, diabetes, and poverty among U.S. women: A county-level analysis across ethnicities.* 5th Annual Women's Cardiovascular and Brain Health Symposium, Fort Worth TX, United States.

Wang, S., Rossheim, M.E, Walters, S.T, Nandy, R.R, & **Northeim, K.** Geographic Trends in Overall and Long-acting Opioid Prescribing Rates under Medicaid and Medicare Part D in the United States, 2013-2021. Poster presentation at the American Academy of Health Behavior (AAHB) conference, Savannah, Georgia, April 14-17, 2024.

Akpan, I. N., Thompson, E. L., & **Northeim, K.** (2024, April 14-17). *Exploring spatial patterns of sociodemographic characteristics and multiple chronic conditions among US adults aged 65 years and older* [Poster presentation]. American Academy of Health Behavior 2024 Annual Meeting, Savannah, GA, USA.

Balasundaram, R., Mendoza, E., Northeim, K. (2023). Exploring Socioeconomic Influences on Dental Visit Prevalence in Texas using Geographic Weighted Regression. Texas Society of Public Health Education Conference, Austin, Texas, October 2022.

Keynote Speaker – Giant Water Bottle Project – UNTHSC Sustainability, **Northeim, K.** (2023). Keynote Address at the Giant Water Bottle Project Event. UNTHSC Sustainability, University of North Texas Health Science Center.

Northeim, K. (2023). Panel Moderator at the Healthy Neighborhoods Event. UNTHSC Institute for Health Disparities.

Northeim, K. (2022). Presentation title: Health and Vulnerability in DFW. In Proceedings of the Applied Geography Conference (Online), 2022.

Northeim, K. (2022). Session title: Health Fragility and Vulnerability from Environmental Pollution. In Proceedings of the Applied Geography Conference (Online – Session Organizer), 2022.

Northeim, K. (2021). Presentation title: Spatial extent changes in urban environments: Challenges in designing air quality networks. In Abstracts of the Annual Meeting of the Association of American Geographers, Denver.

Northeim, K. (2020). Presentation title: Environmental vulnerability in DFW – Are proportions of the population not covered producing potential inequities and disproportionate health burdens? In Proceedings of the Race Ethnicity & Place Conference, Austin.

Norheim, K. (2020). Poster title: Challenges in locating sensors for monitoring ozone exposure. In Abstracts of the Annual Meeting of the Association of American Geographers, New Orleans.

Norheim, K. (2017). Predicting Ozone Exposure in DFW. In Proceedings of the Southwest Association of American Geographers Annual Meeting, Houston.

Committee Member

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| 2022 | Thesis defense – Amanda Long
An enhanced methodology for applied spatial modeling of structural and functional connectivity of small mammal habitats (<i>Peromyscus leucopus</i> , <i>Peromyscus maniculatus</i> , <i>Apodemus flavicollis</i>) |
| 2024 | PhD – Kaeli Johnson (in progress) |

Journal Reviewer

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| 2023 | Health & Place, Elsevier, Impact Factor 4.931 |
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Grants/ Awards

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| 2023 | SAMHSA Rural EMS Training Grant – NOA #1H79TI086751-01
Co-Principal Investigator (2023-2024) \$266,800 |
| 2024 | SAMHSA Rural EMS Training Grant –
Co-Principal Investigator (2024-2026) \$398,000 |
| 2024 | National Institute on Drug Abuse – Preparing the Next Generation of
Addiction Researchers in Computational AI/ML(PI-EY MUN) \$661,554 |

Advocacy & Volunteering

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| 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 |