November 2026

KEVIN LANZA, PhD

Assistant Professor, Environmental & Occupational Health Sciences; Epidemiology
Director, Health Equity Action Together (HEAT) Lab™ at heatresearchlab.org
UTHealth Houston School of Public Health in Austin
Kevin.L.Lanza@uth.tmc.edu

RESEARCH OVERVIEW

Environmental health scientist examining how climate-related hazards, built and natural environments, programs, and behaviors shape the physical activity and health of children and other vulnerable populations. My work integrates urban climate science, exposure assessment, mixed methods, and community-engaged research to address environmental health disparities. As Director of the Health Equity Action Together (HEAT) Lab, I investigate heat-safe youth physical activity, active transportation environments, climate adaptation in Africa, and nature-based volunteering and youth health. My research has been supported by NIH, NSF, NOAA, NASA, and RWJF and featured in 60 media interviews, including in The New York Times, The Washington Post, CNN, MSNBC, and Time. I serve on the EPA's Children's Health Protection Advisory Committee and am a selected author updating the U.S. National Physical Activity Plan, advancing physical activity and climate resilience in national policy.

ACADEMIC APPOINTMENT

2021–Present **Assistant Professor (tenure track)**
Department of Environmental & Occupational Health Sciences
Department of Epidemiology
UTHealth Houston School of Public Health in Austin

EDUCATION & TRAINING

2019–2021 **Postdoctoral Fellow**
Michael & Susan Dell Center for Healthy Living
UTHealth Houston School of Public Health in Austin

2013–2019 **Doctor of Philosophy in City & Regional Planning**
Master of City & Regional Planning
Georgia Institute of Technology
Major: Urban Climate Adaptation; Minor: Public Health

2011–2013 **Oak Ridge Institute for Science & Education (ORISE) Fellow**
Newborn Screening and Molecular Biology Branch
U.S. Centers for Disease Control and Prevention

2007–2011 **Bachelor of Science**
Emory University
Major: Environmental Science; Minor: Science, Culture, & Society

GRANTS

$3.3 million in career funding across 22 grants, including seven as lead principal investigator—anchored by an NIEHS K01 ($472,943)—with additional funding as Co-PI and Subcontract PI.

2026–2027 **Title:** CERVICS: A Pre-Implementation, Mixed-Methods Study Evaluating Low-Cost Cervical Cancer Screening Tools in Eswatini
Award Total: $10,000
Program: Global Health Educational Innovations & Research Grants
Funder: Office of Global Health Initiatives at UTHealth Houston
Role: Co-I (PI: Y. Ali, UTHealth Houston McGovern Medical School)

2026 **Title:** Heat-Moderating Effects of Energy Efficiency Interventions in Low-Income Single-Family Homes
Award Total: $30,000
Program: UT-City Climate CoLab
Funder: City of Austin
Role: Co-PI (Co-PI: A. Karner, The University of Texas at Austin)

2025–2026 **Title:** Spatiotemporal Air Quality Assessment of Fort Bend County
Award Total: $100,000
Funder: Fort Bend County
Role: Co-PI (Co-PI: P. Misztal, The University of Texas at Austin)

2025–2026 **Title:** Particulate Matter as a Potential Driver of Tuberculosis Progression and Post-Treatment Morbidity
Award Total: $40,000
Program: Gulf Coast Center for Precision Environmental Health (P30ES030285) Pilot Project Program
Funder: National Institute of Environmental Health Sciences
Role: PI

2025 **Title:** Heat Acclimatization for Physical Activity Promotion of Youth in Minoritized, Economically Disadvantaged Neighborhoods: A Pilot Study
Award Total: $10,000
Program: Dell Med / Dell Children's Pediatric Research Grant Program
Funder: The University of Texas at Austin
Role: PI

2024–2027 **Title:** Participatory Design for Climate Change Adaptation: Intergenerational Climate Responsive School Gardening as an Approach to Food Security and Climate Literacy in South African Communities
Award Total: $1,210,010
Program: International Joint Initiative for Research in Climate Change Adaptation and Mitigation Competition
Funder: New Frontiers in Research Fund (Canada), National Science Foundation (U.S.), National Research Foundation (South Africa)
Role: PI of Subcontract (PI: F. Nxumalo, University of Toronto; T. Madkins, The University of Texas at Austin; B. Nkonki-Mandleni, Mangosuthu University of Technology)

2024–2025 **Title:** Heat Vulnerability of Sugarcane Workers and their Households in Eswatini
Award Total: $10,000
Program: Global Health Educational Innovations & Research Grants
Funder: Office of Global Health Initiatives at UTHealth Houston

Role: PI

2024–2025 **Title:** Urban Heat Island Mapping Campaign: Nairobi, Kenya
Award Total: $19,500
Program: NIHHIS Urban Heat Island Mapping | CAPA Heat Watch 2024
Funder: National Oceanic and Atmospheric Administration
Role: Core Member (Project Director: P. Mwangi, Kenyatta University)

2024 **Title:** 2024 SUHI Equity Research Fellows Program
Award Total: $15,000
Program: Equity Research Fellowship
Funder: Sinai Urban Health Institute (SUHI) at Sinai Chicago
Role: PI

2023–2029 **Title:** NFL Play 60 FitnessGram Evaluation
Award Total: $154,978
Program: NFL Play 60
Funder: Kenneth H. Cooper Institute at Texas Tech University Health Sciences Center, NFL Foundation
Role: Co-I (PI: T. Walker, UTHealth Houston)

2023–2026 **Title:** Southwest Center for Occupational and Environmental Health
Award Total: 2% salary coverage (T42OH008421)
Program: NIOSH Education and Research Center (ERC)
Funder: CDC National Institute for Occupational Safety and Health
Role: Co-I (ERC Director: J. Hwang, UTHealth Houston)

2023–2024 **Title:** Tenant and Transit Rider Organizing to Combat Structural Racism and Enhance Environmental Health
Award Total: $15,000
Program: Center for Health & Environment: Education & Research (CHEER) Pilot Project Grant
Funder: The University of Texas at Austin
Role: PI of Subcontract (PI: A. Karner, The University of Texas at Austin)

2023–2024 **Title:** Siyakhula: Growing HIV/TB Research Knowledge for Growing Healthy Kids in Eswatini
Award Total: $82,590 (D43 TW011547)
Program: NOT-TW-22-003 Climate Change and Health Administrative Supplement
Funder: NIH Fogarty International Center
Role: PI of Subcontract (PI: A. Mandalakas, Baylor College of Medicine)

2022–2025 **Title:** Routes to Environmental Justice: Assessment of Ambient Environmental Exposures for Safe Routes to School Programs
Award Total: $472,943 (K01ES034382)
Program: PAR-21-172 Transition to Independent Environmental Health Research (TIEHR) Career Award
Funder: National Institute of Environmental Health Sciences
Role: PI

2022–2023 **Title:** Reducing Meat Consumption and Shifting to Active Transportation: The Health Behaviors for Healthy Planet Survey
Award Total: $24,967
Program: PRIME
Funder: UTHealth Houston School of Public Health
Role: PI

2022–2023 **Title:** Well without Wellness? Impact of Hydraulically Fractured Wells on Nearby Birth Outcomes and Mental Health in Texas
Award Total: $15,000
Program: Center for Health & Environment: Education & Research (CHEER) Pilot Project Grant
Funder: The University of Texas at Austin
Role: Co-PI (Co-PI: E. Widen, The University of Texas at Austin)

2022–2023 **Title:** ATX CA3TCH UP: Climate Atlas for Accountability and Advocacy Strategies through Co-production with Historically Underserved Community Partners in Austin, TX
Award Total: $249,842
Program: Research Opportunities in Space and Earth Sciences (ROSES)
Funder: National Aeronautics and Space Administration
Role: Collaborator (PI: P. Bixler, The University of Texas at Austin)

2021–2023 **Title:** Extreme Heat Risk Initiative: Urban Climate Science for Decision-Making & Evaluation of Heat-Health Interventions for Austin, TX
Award Total: $296,476 (Grant #NA21OAR4310146)
Program: Climate Program Office (CPO) Extreme Heat Risk Initiative
Funder: National Oceanic and Atmospheric Administration
Role: PI of Subcontract (PI: D. Niyogi, The University of Texas at Austin)

2020–2023 **Title:** Culture of Health Leaders Cohort Five-2020
Award Total: $98,000 (Grant #78106)
Program: Culture of Health Leaders
Funder: Robert Wood Johnson Foundation
Role: PI

2020–2021 **Title:** Austin Public Library Urban Forestry Project
Award Total: $50,000
Program: Urban Forest Funding Portal
Funder: City of Austin
Role: Co-PI; Academic Lead (Community Co-PI: A. Santos, City of Austin)

2020 **Title:** Urban Heat Island Mapping Campaign: Austin, Texas
Award Total: $15,000
Program: NIHHIS Urban Heat Island Mapping | CAPA Heat Watch 2024
Funder: National Oceanic and Atmospheric Administration
Role: Core Team Member (Project Director: M. Coudert, City of Austin)

2019–2020 **Title:** Planning for Climate Change: Green Schoolyards as a Tool for Urban Heat Island Adaptation and Health Promotion in Underserved Communities
Award Total: $341,014 (Grant #76576)

Program: Health and Climate Solutions
Funder: Robert Wood Johnson Foundation
Role: Academic PI (Community PI: M. Alcazar, City of Austin)

PUBLICATIONS

Peer-Reviewed Journal Articles

54 articles (18 first author, 6 senior last author)
1,748 citations; h-index = 25 (Google Scholar)
** denotes senior last author*

54. Murray T, Agopian AJ, Patel J, Dixon A, **Lanza K***. (In Press). Regional ambient heat and spina bifida prevalence in Texas: An ecological analysis. *International Public Health Journal*.

53. Murray T, Chen B, Vanos J, Bernard P, **Lanza K***. (2027). Perceived heat threshold and transit use in a humid subtropical climate. *Travel Behaviour and Society*. https://doi.org/10.1016/j.tbs.2026.101392

52. **Lanza K**, Chen B, Sheffield PE, Gimeno Ruiz de Porras D, Zhang Y, Salvo D, Hoelscher DM, Murray T, Gohlke JM. (2026). Temperature and active school commuting among elementary children in Central Texas: A longitudinal observational study. *International Journal of Behavioral Nutrition and Physical Activity*. https://doi.org/10.1186/s12966-026-02011-x

51. **Lanza K**, Chen B, Sheffield PE, Gimeno Ruiz de Porras D, Salvo D, Villa U, Gohlke JM. (2026). Summer heat, physical activity, and sedentary behavior of children outdoors and indoors in an urban setting. *Journal of Urban Health*. https://doi.org/10.1007/s11524-026-01177-w

50. Kenney MA, Kopp RE, Samaras C, U.S. Climate Assessment Scientists (including **Lanza K**). (2026). Research priorities for robust climate assessments in the U.S. *Earth's Future*. https://doi.org/10.1029/2025EF007336

49. Walker TJ, Pavlovic A, Pfledderer CD, Craig DW, **Lanza K**, Onadeko K, Lee M, Laura F. DeFina LF. (2026). School-level associations between health-related fitness, school characteristics, and academic performance among U.S. youth: An observational study. *Preventive Medicine Reports*. https://doi.org/10.1016/j.pmedr.2026.103595

48. Gutierrez-Kapheim M, Krogen M, Lies M, **Lanza K**, Benjamins MR. (2026). Youth volunteering and academic outcomes in a nationally representative U.S. sample. *Children and Youth Services Review*. https://doi.org/10.1016/j.childyouth.2026.109069

47. Wilhelmi OV, Hayden MH, Howe PD, Vanos JK, Meerow S, Habeeb D, Turner VK, He C, Passe U, Yao T, Leal R, Kumar R, Crawford B, **Lanza K**, Molla A, Newman AJ, Laverty AL, Iradukunda JC, Frank C, Visintainer T. (2026). Human and Geographic Dimensions of Heat Risk: Progress, Challenges, and Opportunities. *Environmental Research Letters*. https://doi.org/10.1088/1748-9326/ae5fb2

46. Pfledderer CD, Mullane EJ, Brown DMY, Hunt ET, **Lanza K**, Johnson A. (2026). Rural-urban differences in perceived social and built environments and associations with

physical activity among youth in the United States. *Preventive Medicine Reports*. https://doi.org/10.1016/j.pmedr.2026.103400

45. Zhang Y, Burford KG, Pérez A, **Lanza K**, Salvo D, Baker BA, Hoelscher DM. (2025). Poor agreement between teacher perceived and objective measures of weather conditions for school-based physical activity research. *Preventive Medicine Reports*. https://doi.org/10.1016/j.pmedr.2025.103328

44. **Lanza K**, Lies M, Gutierrez-Kapheim M, Krogen M, Benjamins MR. (2025). Adolescent volunteering in the United States: Associations with friendship and behavior outcomes. *Children and Youth Services Review*. https://doi.org/10.1016/j.childyouth.2025.108612

43. Craig DW, **Lanza K**, Pfledderer CD, Pavlovic A, Onadeko K, Heredia NI, Injil J, DeFina LF, Walker TJ. (2025). Using the $R=MC^2$ heuristic to assess whole-of-school physical activity implementation in elementary schools: A cross-sectional study. *International Journal of Behavioral Nutrition and Physical Activity*. https://doi.org/10.1186/s12966-025-01815-7

42. Phelps A, **Lanza K***. (2025). Is energy efficiency just? Examining social equity in residential demand response programs in Texas. *Energy Research & Social Science*. https://doi.org/10.1016/j.erss.2025.104173

41. **Lanza K**, Allison B, Chen B, Wilson PS, Hunt ET, Burford KG, Zhang Y, Ganzar LA, Keitt TH. (2025). Ambient environmental exposures while cycling on a vegetated trail versus the road. *Urban Climate*. https://doi.org/10.1016/j.uclim.2025.102429

40. Mahadevia D, Delgado-Ramos GC, Barnes J, Fitzgerald J, Kamei M, **Lanza K**. (2025). Learning from COVID-19 for climate-ready urban transformation. *Cambridge Elements*. https://doi.org/10.1017/9781009527279

39. **Lanza K**, Ernst S, Watkins K, Chen B. (2025). Heat stress mitigation by trees and shelters at bus stops. *Transportation Research Part D: Transport and Environment*. https://doi.org/10.1016/j.trd.2025.104653

38. Pfledderer CD, Brown MY, **Lanza K**, Hunt ET, Porter CD, Parker H, Stoepker P, Brazendale K. (2025). Out-of-school activities and adherence to 24-hour movement guidelines. *American Journal of Preventive Medicine*. https://doi.org/10.1016/j.amepre.2024.08.016

37. Barnes J, Sheffield P, Graber N, Jessel S, **Lanza K**, Limaye VS, Morrow F, Sauthoff A, Schmeltz M, Smith S, Stevens A. (2024). New York State climate impacts assessment chapter 07: Human health and safety. *Annals of the New York Academy of Sciences*. https://doi.org/10.1111/nyas.15244

36. Hunt ET, Brazendale K, Kelder SH, **Lanza K**, Mantey DS, Cristol B, Crouch EL, Schroeder K, Hoelscher DM. (2024). Sleep, screen behaviors, and adverse childhood experiences: A cross-sectional study of U.S. children and adolescents. *Journal of Child & Adolescent Trauma*. https://doi.org/10.1007/s40653-024-00653-2

35. Craig DW, Pfledderer C, Heredia NI, **Lanza K**, Onadeko K, Pavlovic A, Injil J, DeFina LF, Walker TJ. (2024). Whole-of-School physical activity promotion: Findings from elementary

schools in the United States. *American Journal of Preventive Medicine*. https://doi.org/10.1016/j.amepre.2024.08.003

34. Huang H, Lu Z, Fan X, Zhai W, Zhang L, Xu D, Liu Z, Li Y, Ye X, Qin H, **Lanza K**, Hang Y. (2024). Urban heatwave, green spaces, and mental health: A review based on environmental health risk assessment framework. *Science of the Total Environment*. https://doi.org/10.1016/j.scitotenv.2024.174816

33. Mkhatshwa NP, Dlamini WM, LaBeaud AD, Mandalakas AM, **Lanza K***. (2024). HIV in Eswatini: Climate change impacts and adaptation strategies. *Current Tropical Medicine Reports*. https://doi.org/10.1007/s40475-024-00325-z

32. Heredia NI, Hunt ET, **Lanza K***. (2024). Influence of parental nativity and perceived neighborhood environment on physical activity and screen time of United States youth. *Preventive Medicine*. https://doi.org/10.1016/j.ypmed.2024.107973

31. Knell G, Burford K, Calise T, Dooley EE, De Moraes ACF, Ganzar LA, Han H, Heredia N, Jáuregui A, Johnson A, **Lanza K**, Nehme E, Nicksic H, Oluyomi AO, Porter A, Varela AR, Robertson M, Salvo D, Walker T, Zhang Y. (2024). The legacy of Dr. Harold W. (Bill) Kohl III from the perspective of his mentees. *Journal of Physical Activity & Health*. https://doi.org/10.1123/jpah.2024-0074

30. Guerra J, Jhon J, **Lanza K**, Castro G, Barengo NC. (2024). The availability between recreational facilities and physical activity of US adolescents. *Preventive Medicine Reports*. https://doi.org/10.1016/j.pmedr.2024.102592

29. Kamath H, Martilli A, Singh M, Brooks T, **Lanza K**, Bixler P, Coudert M, Yang ZL, Niyogi D. (2023). Human Heat Health Index (H3I) for holistic assessment of heat hazard and mitigation strategies beyond urban heat islands. *Urban Climate*. https://doi.org/10.1016/j.uclim.2023.101675

28. Szeszulski J, Faro J, Joseph RP, **Lanza K**, Lévesque L, Monroe CM, Pérez-Paredes EA, Soltero EG, Lee RE. (2023). How societal forces of change are transforming youth physical activity promotion in North America. *Journal of Physical Activity & Health*. https://doi.org/10.1123/jpah.2023-0167

27. **Lanza K**, Jones J, Acuña F, Coudert M, Bixler P, Kamath H, Niyogi D. (2023). Heat vulnerability of Latino and Black residents in a low-income community and their recommended adaptation responses: A qualitative study. *Urban Climate*. https://doi.org/10.1016/j.uclim.2023.101656

26. **Lanza K**, Hunt ET, Mantey DS, Omega-Njemnobi O, Cristol B, Kelder SH. (2023). Volunteering, health, and well-being of children and adolescents in the United States. *JAMA Network Open*. https://doi.org/10.1001/jamanetworkopen.2023.15980

25. Stone B, Gronlund CJ, Mallen E, Hondula D, O'Neill MS, Rajput M, Grijalva S, **Lanza K**, Harlan S, Larsen L, Augenbroe G, Krayenhoff ES, Broadbent A, Georgescu M. (2023). How blackouts during heat waves amplify mortality and morbidity risk. *Environmental Science & Technology*. https://doi.org/10.1021/acs.est.2c09588

24. Gervais J, Kingsbury C, Lapointe J, **Lanza K**, Boiché J, Bernard P. (2023). It's snowing? Keep on rolling! Individual determinants of winter cycling in Québec. *Active Travel Studies*. https://doi.org/10.16997/ats.1384

23. Koepp AE, **Lanza K**, Byrd-Williams C, Bryan AE, Gershoff ET. (2023). Ambient temperature increases and preschoolers' outdoor physical activity. *JAMA Pediatrics*. https://doi.org/10.1001/jamapediatrics.2023.0067

22. Guo C, **Lanza K**, Li D, Zhou Y, Aunan K, Loo BPY, Lee JKW, Luo B, Duan X, Zhang W, Zhang Z, Lin S, Zhang K. (2023). Impact of heat on all-cause and cause-specific mortality: A multi-city study in Texas. *Environmental Research*. https://doi.org/10.1016/j.envres.2023.115453

21. **Lanza K**, Alcazar M, Chen B, Kohl III HW. (2023). Connection to nature is associated with social-emotional learning of children. *Current Research in Ecological and Social Psychology*. https://doi.org/10.1016/j.cresp.2022.100083

20. **Lanza K**, Alcazar M, Durand CP, Salvo D, Villa U, Kohl III HW. (2022). Heat-resilient schoolyards: Relations between temperature, shade, and physical activity of children during recess. *Journal of Physical Activity & Health*. https://doi.org/10.1123/jpah.2022-0405

19. Poulos A, Wilson K, **Lanza K**, Vanos J. (2022). A direct observation tool to measure interactions between shade, nature, and children's physical activity during recess: SOPLAY-SN. *International Journal of Behavioral Nutrition and Physical Activity*. https://doi.org/10.1186/s12966-022-01355-4

18. Do B, Kirkland C, Besenyi G, Smock C, **Lanza K***. (2022). Youth physical activity and the COVID-19 pandemic: A systematic review. *Preventive Medicine Reports*. https://doi.org/10.1016/j.pmedr.2022.101959

17. Mantey DS, Omega-Njemnobi O, Hunt ET, **Lanza K**, Cristol B, Kelder SH. (2022). Home smoke-free policies as children age: Urban, rural, and suburban differences. *Nicotine & Tobacco Research*. https://doi.org/10.1093/ntr/ntac186

16. Larsen L, Gronlund CJ, Ketenci KC, Harlon SL, Hondula D, Stone B, **Lanza K**, Mallen E, Wright MK, O'Neill MS. (2022). Safe at home? A comparison of factors influencing indoor residential temperatures during warm weather among three cities. *Journal of the American Planning Association*. https://doi.org/10.1080/01944363.2022.2087724

15. **Lanza K**, Gohlke J, Wang S, Sheffield PE, Wilhelmi O. (2022). Climate change and physical activity: Ambient temperature and urban trail use in Texas. *International Journal of Biometeorology*. https://doi.org/10.1007/s00484-022-02302-5

14. **Lanza K**, Burford K, Ganzar LA. (2022). Who travels where: Behavior of pedestrians and micromobility users on transportation infrastructure. *Journal of Transport Geography*. https://doi.org/10.1016/j.jtrangeo.2021.103269

13. Burford K, Ganzar LA, **Lanza K**, Kohl III HW, Hoelscher DM. (2021). School-level economic disparities in police-reported crimes and active commuting to school.

International Journal of Environmental Research and Public Health. https://doi.org/10.3390/ijerph182010885

12. **Lanza K**, Durand CP, Alcazar M, Ehlers S, Zhang K, Kohl III HW. (2021). School parks as a community health resource: Use of joint-use parks by children before and during COVID-19 pandemic. *International Journal of Environmental Research and Public Health*. https://doi.org/10.3390/ijerph18179237

11. Szeszulski J, **Lanza K**, Dooley E, Johnson AM, Knell G, Walker TJ, Craig DW, Robertson MC, Salvo D, Kohl III HW. (2021). Y-PATHS: A conceptual framework for classifying the timing, how, and setting of youth physical activity. *Journal of Physical Activity & Health*. https://doi.org/10.1123/jpah.2020-0603

10. **Lanza K**, Durand CP. (2021). Heat-moderating effects of bus stop shelters and tree shade on public transport ridership. *International Journal of Environmental Research and Public Health*. https://doi.org/10.3390/ijerph18020463

9. **Lanza K**, Alcazar M, Hoelscher DM, Kohl III HW. (2021). Effects of trees, gardens, and nature trails on heat index and child health: Design and methods of the Green Schoolyards Project. *BMC Public Health*. https://doi.org/10.1186/s12889-020-10128-2

8. **Lanza K**, Oluyomi A, Durand C, Gabriel KP, Knell G, Hoelscher DM, Ranjit N, Salvo D, Walker TJ, Kohl III HW. (2020). Transit environments for physical activity: The relationship between micro-scale built environment features surrounding light rail transit stations and ridership in Houston, Texas. *Journal of Transport & Health*. https://doi.org/10.1016/j.jth.2020.100924

7. Burford K, Dooley EE, **Lanza K**, Knell G. (2020). Associations of urbanicity and sociodemographic characteristics with protective health behaviors and reasons for leaving the home during COVID-19. *Health Psychology Bulletin*. http://doi.org/10.5334/hpb.24

6. Mallen E, Stone B, Bakin J, Sivakumar R, **Lanza K**. (2020). Thermal impacts of built and vegetated environments on local microclimates in an urban university campus. *Urban Climate*. https://doi.org/10.1016/j.uclim.2020.100640

5. **Lanza K**, Stone B, Chakalian PM, Gronlund C, Hondula D, Larsen L, Mallen E, Haardörfer R. (2020). Physical activity in the summer heat: How hot weather moderates the relationship between built environment features and outdoor physical activity of adults. *Journal of Physical Activity & Health*. https://doi.org/10.1123/jpah.2019-0399

4. Stone B, **Lanza K**, Mallen E, Vargo J, Russell AG. (2019). Urban heat management in Louisville, Kentucky: A framework for climate adaptation planning. *Journal of Planning Education and Research*. https://doi.org/10.1177/0739456X19879214

3. Mallen E, Stone B, **Lanza K**. (2019). A methodological assessment of extreme heat mortality modeling and heat vulnerability mapping in Dallas, Texas. *Urban Climate*. https://doi.org/10.1016/j.uclim.2019.100528

2. **Lanza K**, Stone B, Haardörfer R. (2019). How race, ethnicity, and income moderate the relationship between urban vegetation and physical activity in the United States. *Preventive Medicine*. https://doi.org/10.1016/j.ypmed.2019.01.022

1. **Lanza K**, Stone B. (2016). Climate adaptation in cities: What trees are suitable for urban heat management? *Landscape and Urban Planning*. https://doi.org/10.1016/j.landurbplan.2015.12.002

Technical Reports

7. (All authors released from their roles). *Southern Great Plains Chapter of the Sixth National Climate Assessment*. U.S. Global Change Research Program.

6. Barnes J, Sheffield P, Graber N, Jessel S, **Lanza K**, Limaye VS, Morrow F, Sauthoff A, Schmeltz M, Smith S. (2024). *Chapter 7: Human Health and Safety*. In A. Stevens (Ed.), New York State Climate Impacts Assessment.

5. Prochnow T, Lightner J, Grimes A, Wigginton M, **Lanza K**. (2023). *Supporting Youth Physical Activity Opportunities in Out-of-School Time Programs*. American Public Health Association Policy Statement #20232.

4. Children's Health Protection Advisory Committee. Workgroup Co-Chairs: **Lanza K**, Nadeau K. (2023). *CHPAC Climate Letter to Administrator Regan*. U.S. Environmental Protection Agency.

3. **Lanza K**, Alcazar M. (2023). *Green Schoolyards* (English, Spanish).

2. Stone B, Russell A, Trail M, Mallen E, **Lanza K**, Vargo, J. (2017). *Dallas Urban Heat Island Management Study*. Texas Trees Foundation.

1. Stone B, **Lanza K**, Peng L, Russell A. (2016). *Louisville Urban Heat Management Study*. City of Louisville, Kentucky.

Other Publications

** denotes senior last author*

10. Stott D, Bikomeye JC, Gay J, Maddock J, Ngaybe MGB, Besenyi GM, Szeszulski J, & **Lanza K***. (2026). *How Nature Is Good for You and How You Can Be Good for Nature Too*. Spring 2026 Outlook Newsletter. Society of Behavioral Medicine.

9. Kracht CL, Brown DMY, **Lanza K**, Bustamente EE, Brazendale K, Dinkel D, Lee RE. (2025). *Household Chaos: How and Why Disruptions at Home Derail Healthy Habits*. Society of Behavioral Medicine *Outlook*.

8. Prochnow T, Faro JM, **Lanza K**, Umstattd Meyer MR, Brown D, Lee RE. (2025). *Exercise with Friends: How Social Connections Keep Kids Active.* Society of Behavioral Medicine *Healthy Living*.

7. **Lanza K**, Vizcaino M, Brown D, Salerno EA, Sallis JF, Szeszulski J, Trinh L, Umstattd Meyer MR, Lee RE. (2024). *Climate Change and Youth Physical Activity During Summertime: Challenges and Potential Solutions*. Society of Behavioral Medicine *Outlook*.

6. **Lanza K**. (2020). *Too Hot to Play*. Tiny Climate Chronicle Story. American Public Health Association's Center for Climate, Health and Equity.

5. **Lanza K**. (2020). *High Heat Index Associated with More Children Interacting with Trees at Barrington School Park*. Cities Connecting Children to Nature Quarterly Newsletter, Spring 2020.

4. **Lanza K**. (2020). *Opinion: How Climate Change Worsens Disparities Among Austin Kids*. Op-Ed. Austin American-Statesman.

3. **Lanza K**. (2020). *Temperature Differences Found at Austin School Parks*. Cities Connecting Children to Nature Quarterly Newsletter, Winter 2020.

2. **Lanza K**. (2019). *The Built Environment and Physical Activity*. American Public Health Association Physical Activity Section Quarterly Newsletter, Summer 2019.

1. **Lanza K**. (2019). *RWJF Grant Received*. Cities Connecting Children to Nature Quarterly Newsletter, Summer 2019.

INVITED TALKS (KEYNOTES, GRAND ROUNDS, SEMINARS)

60. Physical activity and the childhood obesity–extreme weather nexus. (2026). Beyond Calories or Carbon: The Childhood Obesity–Extreme Weather Nexus Conference. Johns Hopkins University. Washington, DC.

59. What extreme heat means for pediatric health and what we can do. (2026). Pediatric Environmental Health Grand Rounds. Pediatric Environmental Health Specialty Unit for EPA Region 6. Virtual.

58. Peer conversation: Navigating climate change in parks & community spaces. (2026). Greater & Greener 2026. Austin, TX.

57. Beating the heat: A Cool Corridor tour through Northeast Austin. (2026). Greater & Greener 2026. Austin, TX.

56. Can heat acclimatization support children's physical activity in summer heat? A feasibility randomized study in Austin, Texas. (2026). Dell Children's Medical Center. Austin, TX.

55. Nature-based design solutions for health and wellbeing: How development shapes quality of life. (2025). Urban Land Institute Place Summit. Fayetteville, AR.

54. HIV and TB in Eswatini: Climate change impacts and adaptation strategies. (2025). Keynote speaker. European Congress for Tropical Medicine and International Health. Hamburg, Germany.

53. Heat as a barrier to physical activity and tree shade as a solution. (2025). Lightning talk. Research committee meeting of the Nature and Health Alliance. Virtual.

52. Nature-based solutions for youth physical activity in our warming world. (2025). Texas Children in Nature Network. Webinar.

51. Houston hot stops: Differential cooling by trees and shelters at bus stops. (2025). National Center for Atmospheric Research (NCAR) Research Symposium: Human and Geographic Dimensions of Extreme Heat and Heat Risk. Boulder, CO.

50. Promoting children's physical activity and health in our warming world: Lessons from Texas. (2025). 2024–2025 Grand Rounds. Department of Family and Preventive Medicine at Rush University Medical Center. Chicago, IL.

49. Integrating climate change into behavioral medicine research: Lessons from physical activity researchers. (2025). Society of Behavioral Medicine. Webinar.

48. Panel on climate change. (2025). 13th Annual Houston Global Health Collaborative Conference. Houston, TX.

47. Secondary data for public health research, part 2 of 2. (2025). Sinai Urban Health Institute (SUHI) at Sinai Chicago. Webinar.

46. Climate change and health: Lessons learned from heat health research in Texas. (2025). EcoRise. Teaching climate change essentials: Teacher climate education course. Webinar.

45. The impact of extreme heat on the health of youths and their households and potential solutions. (2025). Seminar presentation hosted by Kenyatta University and KCA University. Nairobi, Kenya.

44. Extreme heat and child health: what we know and what we can do. (2024). EcoRise. Teaching climate change essentials: Teacher climate education course. Webinar.

43. Beating the heat with green schoolyards. (2024). U.S. Green Building Council. Webinar.

42. Climate health: The impact of extreme heat on health equity in Texas. (2024). Health Equity Collective, Houston Region. Virtual.

41. Extreme heat and public projects. (2024). Lone Star Sustainability Forum. San Antonio, TX.

40. Secondary data for public health research, part 1 of 2. (2024). Sinai Urban Health Institute (SUHI) at Sinai Chicago. Webinar.

39. Panel on heat impacts & priorities. (2024: Invitation declined due to same time as invited talk at Harvard T. H. Chan School of Public Health). All Interested Staff briefing of the U.S. House and Senate. Washington, D.C.

38. Nature and volunteerism for youth health and well-being in our warming world. (2024). Department of Environmental Health Lecture Series. Harvard T. H. Chan School of Public Health. Cambridge, MA.

37. Climate change field day. (2024). Siyakhula Child Health Applied Research Training (CHART) Public Workshop. Eswatini, Africa.

36. Overview of climate change supplement. (2024). Siyakhula Child Health Applied Research Training (CHART) Public Workshop. Eswatini, Africa.

35. Introduction to climate change and public health. (2024). Siyakhula Child Health Applied Research Training (CHART) Course. Eswatini, Africa.

34. Cooling solutions at bus stops: a Texas case study. (2024). 3rd Annual National Integrated Heat Health Information System (NIHHIS) National Meeting. Virtual.

33. Nature and volunteerism for youth mental health in our warming world. (2024). Break the Cycle 19 Symposium. Emory University. Atlanta, GA (virtual).

32. Tenant and transit rider organizing to combat structural racism and enhance environmental health. (2024). Center for Health and Environment, Education, and Research at The University of Texas at Austin. Webinar.

31. Beating the heat in Central Texas: Microclimatic design for physical activity, health, and well-being. (2024). Microclimatic Design Research Group. Texas A&M University. Virtual seminar.

30. How extreme heat impacts physical activity and steps forward. (2024). Satellite Data for Environmental Justice (SD4EJ) Tiger Team Monthly Meeting, NASA Health and Air Quality Applied Sciences Team (HAQAST). Webinar.

29. Role of green infrastructure in climate action. (2024). Green Infrastructure Forum & Social. Central Texas American Society of Landscape Architects. Austin, TX.

28. Trail sociodemographic inventory study. (2024). The Trail Conservancy 2024 Board Retreat. Lady Bird Johnson Wildflower Center. Austin, TX.

27. How extreme heat impacts physical activity, health, and well-being and what we can do: Lessons from Texas. (2023). Keynote speaker. Ambientes urbanos e saúde humana em Lisboa. Laboratório Nacional de Engenharia Civil. Lisbon, Portugal.

26. Green schoolyards as a climate change and health solution. (2023). Texas Children in Nature Network. Webinar.

25. Wearable technologies to assess the environment-physical activity relationship in youth. (2023). National Academies of Sciences, Engineering, and Medicine. Virtual workshop.

24. The importance of outdoor play. (2023). Action for Healthy Kids. Webinar.

23. Green Schoolyards Project. (2023). Green School Park Committee, City of Austin. Webinar.

22. Extreme heat, health, and well-being: Lessons from Central Texas. (2023). City Forum. School of Architecture at The University of Texas at Austin. Austin, TX.

21. Well Without Wellness: Fracking, birth outcomes, and mental health in Texas. (2023). Center for Health and Environment, Education, and Research at The University of Texas at Austin. Webinar.

20. Extreme heat and real estate. (2022). Urban Land Institute. Houston, TX.

19. Introduction to climate change and public health. (2022). Child Health Applied Research Training (CHART) Program. Eswatini, Africa (virtual).

18. Extreme heat and active living in Central Texas. (2022). City of Austin Chronic Disease Prevention & Active Living Coalition. Webinar.

17. How extreme heat impacts physical activity and what to do about it. (2022). Michael & Susan Dell Center for Healthy Living. Webinar.

16. Health inequities in urban climates: The case for green schoolyards in Central Texas. (2022). Panel on Climate Crisis, Public Health, and Deepening Inequities. Health Journalism Conference. Association of Health Care Journalists. Austin, TX.

15. Climate change and its health impacts. (2022). 10th Annual Houston Global Health Collaborative Conference. Houston, TX (virtual).

14. Panel on public health and conservation. (2022). Emory University Green Networking Night. Atlanta, GA (virtual).

13. Safe and green design techniques for sustainable transportation. (2022). St. Michael's Catholic Academy. Austin, TX.

12. Project MIST for climate-resilient transit: Municipal Installation of Spray Technology. (2022). Valley Metro Regional Public Transportation Authority. Phoenix, AZ (virtual).

11. Health and equity in the city: Concurrent challenges of climate change and COVID-19. (2021). COVID-19, Climate Change, and Cities: Learnings from the Pandemic Workshop. Ahmedabad University, India (virtual).

10. Nature for child health: The Green Schoolyards Project. (2021). Robert Wood Johnson Foundation Health and Climate Solutions Virtual Convening.

9. Health benefits of nature. (2020). Annual State of the Trail Address. The Trail Conservancy. Austin, TX.

8. Built environment, parks, and transportation as tools to safely increase physical activity in the population during the COVID-19 pandemic. (2020). American Public Health Association. Webinar.

7. Green schoolyards for heat management and health promotion in underserved communities. (2020). Equity, Health and the Built Environment Symposium. The University of Texas at Austin. Austin, TX.

6. September temperatures at school parks in Austin, Texas. (2019). Stakeholder Briefing. Cities Connecting Children to Nature Initiative. Austin, TX.

5. Planning for climate change: Green schoolyards as a tool for urban heat island adaptation and health promotion in underserved communities. (2019). Stakeholder Briefing. Cities Connecting Children to Nature Initiative. Austin, TX.

4. The Georgia Tech Climate Network. (2018). Facilities Sustainability Committee. Georgia Institute of Technology. Atlanta, GA.

3. My graduate school experience. (2018). FOCUS program. Georgia Institute of Technology. Atlanta, GA.

2. The urban heat island effect and its public health implications. (2017). Drew Charter School. Atlanta, GA.

1. The urban heat island effect and Georgia Tech Climate Network. (2017). Pace Academy. Atlanta, GA.

CONFERENCE PRESENTATIONS

Oral Presentations

43 oral presentations (20 first author, 3 senior last author)
** denotes senior last author*

43. Murray T, McDaniel A, Metcalf S, Msibi S, Shabalala F, Shabangu B, Shongwe MC, Redwine K, **Lanza K***. (2026). Organizational responses to extreme heat in sugarcane agricultural work in Eswatini. American Public Health Association Annual Meeting. San Antonio, TX.

42. Walker TJ, Craig DW, **Lanza K**, Pfledderer CD, Lee M, Pavlovic A. Comparing implementation of whole-of-school components by school level in the United States. (2026). International Society for Physical Activity and Health Congress. Mérida, Mexico.

41. **Lanza K**, Chen B, Sheffield PE, Gimeno Ruiz de Porras D, Zhang Y, Salvo D, Hoelscher DM, Murray T, Gohlke JM. (2026). Temperature extremes reduce active commuting to and from school among elementary children in Central Texas. 47th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. Chicago, IL.

40. Besenyi GM, Mailey EL, Maddock J, Courtney JB, Szeszulski JS, **Lanza K***. (2026). Nature as medicine: Evidence-based NatureRX for physical activity promotion and climate resilience. 47th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. Chicago, IL.

39. Walker TJ, Pavlovic A, Craig DW, Pfledderer CD, **Lanza K**, Onadeko K, DeFina LF. (2026). Associations between health-related fitness and academic achievement in a national sample of U.S. schools. 47th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. Chicago, IL.

38. Pfledderer CD, Brown DMY, Johnson A, Springer AE, **Lanza K**, Mullane EJ, Kapfhammer M, Hoelscher DM. (2026). Age-related trends in physical activity and sleep across the U.S. urban-rural continuum: Evidence from the National Wellbeing Survey, 2021-2023. American Academy of Health Behavior Scientific Meeting. Austin, TX.

37. Pfledderer CD, Walker TJ, Craig DW, Chen B, **Lanza K**, Mullane EJ, Kapfhammer M, Golman M, Garland C, Hoelscher DM. (2026). Enhancing an implementation strategy to improve elementary school teachers' usage of outdoor learning and children's physical activity: Protocol for a Hybrid Type 2 pilot study. American Academy of Health Behavior Scientific Meeting. Austin, TX.

36. Zuiker SJ, Nxumalo F, Madkins T, Maddalena D, **Lanza K**. (2025). Community engagement through solidarity-driven co-design: Lessons from the first year of Communities Collaborating for Ecological Thriving Project. Conference on Scholarship of Engagement, South African Higher Education Community Engagement Forum. Durban, South Africa.

35. Abbyad CW, **Lanza K**, Widen E, Dube S, Wright M, Thurman W. (2025). Wells without wellness: Voices from Texan fracking communities. American Public Health Association Annual Meeting. Washington, D.C.

34. **Lanza K**, Murray T, Janda-Thomte K, Morgan K, Nielsen A, van den Berg A. (2025). Reducing red meat consumption and car use as climate mitigation among US adults. 46th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. San Francisco, CA.

33. Hoelscher D, Zhang Y, Ganzar LA, **Lanza K**, Salvo D, Bentley S, Pérez A. (2025). Evaluating the impact of safe routes to school infrastructure on active commuting in Central Texas schools. Active Living Conference. Manhattan, KS.

32. Craig DW, Onadeko K, **Lanza K**, Pfledderer CD, Heredia N, Pavlovic A, Injil J, DeFina LF, Walker TJ. (2024). Examining associations between implementation constructs and the use of a Whole-of-School approach to physical activity. 17th Annual Conference on the Science of Dissemination and Implementation in Health. Arlington, VA.

31. Yue Z, Chen B, Cofer H, Jensen-Morgan A, McMichael C, Salinas J, Vargas S, Young C, **Lanza K***. (2024). Racial and ethnic disparities in urban trail use in Central Texas. American Public Health Association Annual Meeting. Minneapolis, MN.

30. **Lanza K**. (2024). Not child's play: Promoting physical activity of youth in the Texas heat. Society for Epidemiologic Research's 57th Annual Meeting. Austin, TX.

29. Chun B, Washington S, **Lanza K**. (2024). Assessing the impact of urban heat islands on bus ridership through an environmental justice lens. International Conference on Urban Affairs. New York, NY.

28. **Lanza K**, Heredia N, Hunt ET. (2024). Neighborhood quality, parental country of origin, and their relation with physical activity and sedentary behavior in U.S. children and adolescents. Active Living Conference. Chattanooga, TN.

27. Zhang Y, Burford K, Pérez A, **Lanza K**, Baker B, Hoelscher D. (2024). Measuring weather in active living research: Agreement between objective measure and teacher's perceived weather conditions from the national Safe Routes to School tally. Active Living Conference. Chattanooga, TN.

26. **Lanza K**. (2024). Design thinking: A creative problem-solving approach for climate adaptation. 45th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. Philadelphia, PA.

25. **Lanza K**, Allison B, Chen B, Hunt ET, Burford K, Zhang Y, Ganzar LA, Wilson PS, Keitt TH. (2023). Personal monitoring of ambient environmental exposures while cycling on a vegetated trail versus the road in an urban setting. International Society of Exposure Science Annual Meeting. Chicago, IL.

24. **Lanza K**, Jones J, Acuña F, Bixler P, Coudert M, Kamath H, Niyogi D. (2023). Heat vulnerability and recommended adaptation responses of Latino and Black residents in a low-income U.S. community. International Congress of Biometeorology. Tempe, AZ.

23. Bell B, **Lanza K**, Nogueira L, Kalny C, O'Connor S, Hall K, Diefenbach M. (2023). How to integrate climate change into your existing program of research. Panel presentation. 44th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. Phoenix, AZ.

22. Kamath H, Singh M, Yang Z, Jones J, Coudert M, Bixler P, **Lanza K**, Nagy Z, Jiao J, Magruder LA, Niyogi D. (2022). Mapping Austin's heat exposure using remote sensing techniques. American Geophysical Union Fall Meeting. Chicago, IL.

21. **Lanza K**, Alcazar M, Durand CP, Salvo D, Villa U, Kohl III HW. (2022). Climate-resilient schoolyards for child health: Relations between temperature, shade, and physical activity. American Public Health Association Annual Meeting. Boston, MA.

20. Salvo D, van den Berg A, Hoelscher D, Jauregui A, Janda K, **Lanza K**, Villa U. (2022). Integrating geographic positioning systems and accelerometer monitor data for assessing the spatiotemporal patterns of health behaviors. International Society of Behavioral Nutrition and Physical Activity Annual Meeting. Phoenix, AZ.

19. **Lanza K**, Faro J, Joseph RP, Lévesque L, Monroe C, Pérez-Paredes E, Soltero EG, Szeszulski J, Lee RE. (2022). Climate change adaptation for physical activity promotion. International Society of Behavioral Nutrition and Physical Activity Annual Meeting. Phoenix, AZ.

18. **Lanza K**, Alcazar M, Brink L. (2022). Community-designed and climate-ready: Green schoolyards for health and learning. Children & Nature Network's Inside-Out International Conference. Atlanta, GA.

17. **Lanza K**, Bixler P, Solis M, Arriaga D, Coudert M, Romero P. (2022). Community preparedness for a changing climate with the City of Austin Office of Sustainability. Planet Texas 2050 Research Symposium: A Week of Resilience Research in Action. Austin, TX.

16. **Lanza K**, Gohlke J, Wang S, Sheffield PE, Wilhelmi O. (2022). Climate change and physical activity: Air temperature and trail use in Texas. 43rd Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. Baltimore, MD.

15. **Lanza K**, Alcazar M. (2021). Making the case for green schoolyards: Assessing the impact of green features on air temperature and children's play. Texas Children in Nature Network Summit. Fort Worth, TX.

14. Jhon J, Shopa K, Roach A, **Lanza K**, Barengo NC. (2021). The associations between recreational facilities and physical activity in U.S. adolescents. American Public Health Association Annual Meeting. Denver, CO.

13. Craig DW, Szeszulski J, Dooley EE, Johnson A, Knell G, **Lanza K**, Robertson MC, Walker TJ, Kohl III HW, Fernandez ME. (2021). Development and evaluation of youth physical activity interventions using the Youth Physical Activity: Timing, How, and Setting (Y-PATHS) framework. International Society of Behavioral Nutrition and Physical Activity XChange Initiative 2021. Virtual due to COVID-19.

12. Szeszulski J, **Lanza K**, Dooley EE, Johnson A, Knell G, Walker TJ, Craig DW, Robertson MC, Salvo D, Kohl III HW. (2021). Surveillance applications for the new Youth Physical Activity Timing, How, and Setting (Y-PATHS) framework. 42nd Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. Virtual due to COVID-19.

11. Burford K, Ganzar LA, **Lanza K**, Hoelscher DM. (2021). Associations of Reported Crime and Children's Active Commuting to School: The Safe Travel Environments Evaluation in Texas Schools Study. Active Living Conference. Virtual due to COVID-19.

10. **Lanza K**, Alcazar M, Ehlers S, Luna E, Kohl III HW. (2020). Green schoolyards for heat adaptation and physical activity promotion in Austin, Texas. Texas Resilience Conference. Austin, TX (canceled due to COVID-19).

9. Chun B, **Lanza K**, Choi K. (2019). Exploring the nexus of surface and atmospheric urban heat islands by spatial big data. 49th Annual Conference of the Urban Affairs Association. Los Angeles, CA.

8. **Lanza K**, Stone B. (2018). Green exercise and environmental justice: How race and income moderate the effect of urban vegetation on physical activity in the United States. American Public Health Association Annual Meeting. San Diego, CA.

7. Stone B, Mallen E, **Lanza K**. (2018). Urban Heat Management in Louisville, KY and Dallas, TX: A Framework for Climate Adaptation Planning. 10th International Conference on Urban Climate/14th Symposium on the Urban Environment. New York, NY.

6. **Lanza K**, Stone B. (2017). Physical activity and extreme heat: how hot days and heatwaves impact outdoor activity. American Public Health Association Annual Meeting. Atlanta, GA.

5. **Lanza K**, Stone B. (2017). Physical activity and extreme heat: how temperature modifies the effect of the built environment on outdoor activity. 57th Annual Conference of the Association of Collegiate Schools of Planning. Denver, CO.

4. Mallen E, Stone B, **Lanza K**. (2017). Extreme heat mortality model validation of heat vulnerability mapping in Dallas, Texas. 57th Annual Conference of the Association of Collegiate Schools of Planning. Denver, CO.

3. **Lanza K**. (2015). Sino-U.S. collaboration for future cities. The U.S.-China Young Scholars Forum. Atlanta, GA.

2. **Lanza K**, Stone B. (2014). Climate adaptation in cities: what trees are suitable for urban heat management? 54th Annual Conference of the Association of Collegiate Schools of Planning. Philadelphia, PA.

1. **Lanza K**, Kidder GW, Disney JE. (2010). Fish and invertebrate richness and abundance inside versus outside of Zostera marina. Mount Desert Island Biological Laboratory Research Symposium. Bar Harbor, ME.

Poster Presentations

22 poster presentations (6 first author, 5 senior last author)
** denotes senior last author*

22. Miller K, Clendennen S, **Lanza K**, Mendez K. (2026). Cancer risk assessment of benzene exposure among workers at U.S. unconventional oil and gas sites during flowback. American Public Health Association Annual Meeting. San Antonio, TX.

21. Murray T, Williams S, Malbari A, **Lanza K***. (2026). Testing a heat acclimatization intervention for safe summer physical activity of children. International Society for Physical Activity and Health Congress. Mérida, Mexico.

20. Craig DW, **Lanza K**, Pfledderer CD, Onadeko K, Lee M, Pavlovic A, DeFina LF, Walker TJ. (2026). Associations between whole-of-school physical activity opportunities and academic achievement in U.S. elementary schools. International Society for Physical Activity and Health Congress. Mérida, Mexico.

19. Murray T, Williams S, Malbari A, **Lanza K***. (2026). Pilot trial of a heat acclimatization schedule to support children's outdoor play during extreme heat. 47th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. Chicago, IL.

18. **Lanza K**, Chen B, Sheffield PE, Salvo D, Gimeno Ruiz de Porras D, Villa U, Gohlke JM. (2025). Too hot to move: Summer heat, sedentary behavior, and physical activity of children. Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology. Atlanta, GA.

17. van den Berg A, Nielsen A, Janda-Thomte K, Morgan K, Levy T, **Lanza K***. (2025). Associations among self-regulation constructs and red meat consumption for climate change mitigation. 46th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. San Francisco, CA.

16. Pfledderer CD, Brown MY, **Lanza K**, Hunt ET, Porter CD, Parker H, Stoepker P, Brazendale K. (2025). Out-of-school activities and adherence to 24-hour movement guidelines. 46th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. San Francisco, CA.

15. Craig DW, Pfledderer CD, Heredia NI, **Lanza K**, Onadeko K, Pavlovic A, Injil J, DeFina LF, Walker TJ. (2024). Examining relations between Whole-of-School physical activity approaches and cardiorespiratory fitness in US children. International Society for Physical Activity and Health Congress. Paris, France.

14. Nielsen A, Morgan K, Janda-Thomte KM, Diaz M, van den Berg AE, **Lanza K***. (2024). Botched by bots: Navigating the pitfalls of survey sabotage in data collection. American Public Health Association Annual Meeting. Minneapolis, MN.

13. Brooks T, Kamath H, Gohlke JM, Sheffield PE, Gimeno D, Niyogi D, **Lanza K***. (2024). Using PET to discover disparities in children's heat exposure. American Meteorological Society Annual Meeting. Baltimore, MD.

12. **Lanza K**, Chen B, Vanos J, Bernard P. (2023). Perceived heat tolerance and active travel behavior of adults in a warm climate. International Society of Behavioral Nutrition and Physical Activity Annual Meeting. Uppsala, Sweden.

11. Koepp A, Byrd-Williams C, **Lanza K**, Bryan A, Gershoff E. (2023). Extreme heat and physical activity of preschoolers during self-directed outdoor play. Society for Research in Child Development Biennial Meeting. Salt Lake City, UT.

10. Ross A, Wilson K, **Lanza K**, Vanos J. (2022). A direct observation tool to measure shade, nature, and children's physical activity during recess: SOPLAY-SN. International Society of Behavioral Nutrition and Physical Activity Annual Meeting. Phoenix, AZ.

9. Hunt ET, Brazendale K, Kelder SH, **Lanza K**, Mantey DS, Cristol BA, Hoelscher DM. (2022). Adverse childhood experiences (ACEs) and their association with obesogenic behaviors: Findings from a nationally representative dataset. International Society of Behavioral Nutrition and Physical Activity Annual Meeting. Phoenix, AZ.

8. Burford K, Dooley EE, **Lanza K**, Knell G. (2021). Associations of urbanicity and sociodemographic characteristics with protective health behaviors and reasons for leaving the home during COVID-19. St. David's Health Promotion and Disease Prevention Research in Underserved Populations 19th Annual Conference. Austin, TX (virtual due to COVID-19).

7. **Lanza K**, Alcazar M, Hoelscher DM, Kohl III HW. (2020). Nature play in the heat: how low-income, Latinx children in Texas interact with trees in school parks. American Public Health Association Annual Meeting. San Francisco, CA (virtual due to COVID-19).

6. **Lanza K**, Oluyomi A, Durand C, Ranjit N, Knell G, Walker T, Hoelscher DM, Kohl III HW. (2020). Micro-scale transit environments for physical activity: The relationship between different domains of built environment features surrounding light rail train stations and ridership, the Houston TRAIN Study. Active Living Conference. Orlando, FL.

5. Mallen E, Stone B, **Lanza K**. (2018). Thermal impacts of built and vegetated environments on local microclimates in the Tech Climate Network. Urban Climate Research Center Student Poster Competition. Tempe, AZ.

4. Mallen E, Stone B, **Lanza K**. (2017). Thermal impacts of built and vegetated environments on local microclimates in the Tech Climate Network. 57th Annual Conference of the Association of Collegiate Schools of Planning. Denver, CO.

3. Mallen E, **Lanza K**, Stone B. (2015). Development of a dense climate monitoring network for the Georgia Institute of Technology. 9th International Conference on Urban Climate. Toulouse, France.

2. **Lanza K**, Lim TH, De Jesús VR, Cuthbert CD. (2013). Stability of decadienoylcarnitine enriched dried blood spots stored at various temperatures and humidity. Newborn Screening and Genetic Testing Symposium. Atlanta, GA.

1. **Lanza K**, Lim TH, De Jesús VR, Cuthbert CD. (2013). Stability of decadienoylcarnitine enriched dried blood spots stored at various temperatures and humidity. Mass Spectrometry: Applications to the Clinical Laboratory Conference. San Diego, CA.

MEDIA INTERVIEWS

60. CBS Austin. (2026). *Fans Call for More Heat Resources at Texas Football Games*.

59. CBS Austin. (2026). *Adapting to Extreme Heat Ahead of Triple-Digit Days This Week*.

58. Society of Behavioral Medicine. (2026). *Promoting Physical Activity in the Era of Climate Change: Expert Perspectives on the Co-Benefits, Tradeoffs, and Future Directions.*

57. My Neighborhood News. (2026). *Fort Bend County Launches First-Ever Air Quality Study to Track Neighborhood-Level Pollution and Health Impact*.

56. Associated Press. (2025). *Green Spaces Are Key to Combating Record Heat in Marginalized Communities*.

55. KHOU 11 News Houston. (2025). *Houston METRO Tests Updated Bus Shelter Design to Combat Extreme Heat*.

54. Axios. (2025). *What Increasing Heat Does to Our Bodies*.

53. Everyday Health. (2025). *How to Stay Safe During a Heat Wave*.

52. Inside Climate News. (2025). *Why a Fan Can't Always Cool You Down, and Other Unexpected Challenges in Heat Waves*.

51. KHOU 11 News Houston. (2025). *Houston Heat Is Bad but One Common Bus Stop Feature May Make It Worse*.

50. Houston Public Media. (2025). *Hello Houston (May 6, 2025)*.

49. Next City. (2024). *How KABOOM! Is Keeping Playspaces Cool Despite Extreme Heat*.

48. Houston Chronicle. (2024). *More Than Causing Wardrobe Confusion, Houston Temperature Swings Could Set You Up to Get Sick*.

47. Children at Risk. (2024). *Growing Up in America: The Way It Is*.

46. The Washington Post. (2024). *The Disaster No Major U.S. City Is Prepared for*.

45. ABC 13 Investigates. (2024). *Despite Record Heat-Related Deaths, Experts Say There's Likely Even More*.

44. Verywell Health. (2024). *Inside Vs. Outside: Which Workout Is Best?*.

43. Houston Landing. (2024). *Air Quality Report Finds Three Landfills Make Up Nearly All Methane Emissions in Harris County*.

42. Houston Public Media. (2024). *Working in the Heat After Beryl Can Take a Physical and Mental Toll*.

41. ABC13/KTRK-TV Houston. (2024). *Families Working to Stay Safe in the Heat While They Wait for Power*.

40. ABC13 Houston. (2024). *No Power? Can't Leave Your Home? Here Are Ways to Make It Through the Heat After Hurricane Beryl*.

39. Spectrum News' In Focus. (2024). *Beat the Heat*.

38. Children at Risk. (2024). *Growing Up in America: The Way It Is*.

37. Scientific American. (2024). *Teens' Mental Health May Improve When They Help Others*.

36. The New York Times. (2024). *Rural America Lags Cities in Helping People Beat the Heat*.

35. USA Today. (2024). *Massive Heat Wave Coming for USA. It's What Officials Have Been Dreading, but Preparing for*.

34. CNN. (2024). *This Morning Weekend with Victor Blackwell and Amara Walker*.

33. USA Today. (2024). *Massive Heat Wave Heading for USA Next Week. Cities Have Been Preparing for This*.

32. Verywell Health. (2024). *Humidity Doesn't Just Make You Feel Gross. It Can Harm Your Health, Too*.

31. Scholastic News. (2024). *Debate It! Should Kids Have to Volunteer?*

30. Austin Vida. (2023). *Dove Springs Residents Left Out in the Heat*.

29. Southwest Center for Occupational and Environmental Health. (2023). *From Florida's Lakes to the Southwest Center, Assistant Professor Kevin Lanza*.

28. Houston Public Media. (2023). *Hot Stops—How Houston Bus Stops Get Dangerously Hot. Episode 2: A Science Experiment*.

27. Austin PBS. (2023). *Dove Springs Residents Stranded on Heat Island*.

26. Houston Landing. (2023). *This Summer's Extreme Heat Could Keep Impacting Houstonians Long into the Winter*.

25. Houston Public Media. (2023). *"It's Like a Sweatbox:" Houston Bus Stops Reach Dangerous Temperatures This Summer*.

24. CNN. (2023). *Are Heat Days the New Snow Days? Schools Are Canceling Class as Temperatures Soar*.

23. ABC13/KTRK-TV Houston. (2023). *13 Investigates: Couple 'Miserable' as Heat Index Reaches 109 Inside Their Home*.

22. KUT 90.5 Austin's NPR Station. (2023). *Why East Austin Suffers More from This Extreme Heat Than Other Neighborhoods*.

21. Houston Landing. (2023). *How One Map Tells the Story of Houston's Heat Inequity Across Vulnerable Communities*.

20. Texas Observer. (2023). *Fighting for Breaks on Multiple Fronts*.

19. KUT 90.5 Austin's NPR Station. (2023). *Do Austin's New Bus Shelters Cut It in the Texas Heat?*.

18. MSNBC. (2023). *Yasmin Vossoughian Reports*.

17. Axios. (2023). *Too Hot to Handle: What the World's Increasing Heat Does to Our Bodies*.

16. Texas Monthly. (2023). *This Texas Heat Is Killing Us*.

15. Early Learning Nation. (2023). *New Study: Hot Days Impact Kids' Activity Levels and Health*.

14. U.S. News & World Report. (2023). *Helping Others as Volunteers Helps Kids 'Flourish': Study*.

13. Time Magazine. (2023). *Volunteering May Boost Kids' Well-Being, Study Says*.

12. The Washington Post. (2023). *The Early Heat Wave Gripping the Northwest Is Rare — and Worrying*.

11. Scripps National News. (2022). *Extreme Heat Impacts Student Learning*.

10. Austin Chronicle. (2022). *Cap Metro Pitches in as Mobile Cooling Center*.

9. Axios. (2022). *Cities May Need to Be Redesigned for Extreme Heat*.

8. Kaiser Health News. (2022). *It's Hot Outside – and That's Bad News for Children's Health*.

7. The Hill. (2021). *Growing Cities Under Increased Threat from Climate Change*.

6. Northern California Public Media. (2021). *Degrees of Injustice: The Social Inequity of Urban Heat Islands*. Living Downstream: The Environmental Justice Podcast.

5. Texas Standard. (2021). *Urban Heat Islands Disproportionately Affect Communities of Color*.

4. The Seattle Times. (2021). *How Cities Can Help Protect Transit Riders from Extreme Heat*.

3. Michael & Susan Dell Center for Healthy Living. (2021). *Climate Change Impacts Children*.

2. The Daily Texan. (2019). *University Partners with City of Austin to Study How Green Spaces in School Yards Impact Children's Health*.

1. Michael & Susan Dell Center for Healthy Living. (2019). *Bike to Work Spotlight: Kevin Lanza*.

TEACHING

Instructor of Record

	UTHealth Houston School of Public Health
2027	PHM 2110 Public Health Ecology & the Human Environment
2026	PH 2150 Air Environment
2025	PHM 2110 Public Health Ecology & the Human Environment
2025	PH 2150 Air Environment
2024	PH 2150 Air Environment
2023	PH 2150 Air Environment
2022	PH 2150 Air Environment
	Georgia Institute of Technology
2018	CP 2233 Sustainable Urban Development

Teaching Assistant

	Georgia Institute of Technology
2017	CP 6213 Urban Environmental Planning and Design
2016	CP 6213 Urban Environmental Planning and Design
2015	CP 8823 Climate Change and the City
2014	CP 6012 Theory and History of Planning

Guest Lecturer

30. Climate change and health: Lessons from the field. (2026). GNRS 6313 Trends and Issues. University of Texas Medical Branch School of Nursing.

29. Action-oriented heat research for child health in Central Texas. (2026). PHD 2362L Environmental Epidemiology. UTHealth Houston School of Public Health.

28. Lessons from Texas on heat health. (2025). CRP/LAR 383 Climate Adaptive Cities. The University of Texas at Austin.

27. Extreme heat: Public health implications and cool solutions. (2025). PH 1400 Planetary Health. UTHealth Houston School of Public Health.

26. Physical activity measurement in heat health studies. (2025). PH 5400 Physical Activity Assessment & Surveillance. UTHealth Houston School of Public Health.

25. Action-oriented heat research for child health in Central Texas. (2025). PHD 2362L Environmental Epidemiology. UTHealth Houston School of Public Health.

24. Global air pollution. (2024). PH 5610 Global Health Overview. UTHealth Houston School of Public Health.

23. Climate change and public health: Lessons from heat research in Central Texas. (2024). EH 584/CP 6850C Public Health and Built Environment. Emory University.

22. Urban heat islands and adaptation strategies. (2024). PHD/PHM 2762L Environmental Epidemiology. UTHealth Houston School of Public Health.

21. How extreme heat impacts us and what we can do. (2023). PH 1400 Planetary Health. UTHealth Houston School of Public Health.

20. Global air pollution. (2023). PH 5610 Global Health Overview. UTHealth Houston School of Public Health.

19. Heat vulnerability and adaptation strategies. (2023). CRP/LAR 383 Climate Adaptive Cities. The University of Texas at Austin.

18. Urban heat island effect field exercise. (2023). GEO371T The Science of Environmental Justice. The University of Texas at Austin.

17. Budgets and budget justifications for research grants. (2023). PHM 1496 Integrative Learning Experience/Capstone. UTHealth Houston School of Public Health.

16. Management of urban heat and stormwater for health equity. (2022). CRP/LAR 383 Climate Adaptive Cities. The University of Texas at Austin.

15. Fate & transport of environmental contaminants. (2022). PHM 2110L Public Health Ecology & the Human Environment. UTHealth Houston School of Public Health.

14. Environment-physical activity relationship and the utility of direct observation methods. (2022). PH 5400 Physical Activity Assessment & Surveillance. UTHealth Houston School of Public Health.

13. Budgets and budget justifications for research grants. (2022). PHM 1496 Integrative Learning Experience/Capstone. UTHealth Houston School of Public Health.

12. Air quality. (2021). PH 5610 Global Health Overview. UTHealth Houston School of Public Health.

11. Knowledge, science, and learning. (2021). PA 388L Advanced Topics in Management: Collaborative Governance. The University of Texas at Austin.

10. Urban heat management for physical activity. (2021). PHD 2105 Environmental & Occupational Health Sciences Doctoral Seminar. UTHealth Houston School of Public Health.

9. Health promotion in urban environments. (2021). PH 1498 Planetary Health. UTHealth Houston School of Public Health.

8. GIS as a research tool for environmental health. (2021). EHS 612/EPI 621 GIS and Public Health. University at Albany, State University of New York.

7. Budgets and budget justifications for research grants. (2021). PHM 1496 Integrative Learning Experience/Capstone. UTHealth Houston School of Public Health.

6. Applications of GIS in urban heat and health research. (2020). PH 2126 Fundamentals and Applications of GIS. UTHealth Houston School of Public Health.

5. Budgets and budget justifications for research grants. (2020). PHM 1496 Integrative Learning Experience/Capstone. UTHealth Houston School of Public Health.

4. Built environment strategies for climate change mitigation and adaptation. (2020). PH 2998 Public Health and Climate Change. UTHealth Houston School of Public Health.

3. Planning for the new urban climate: Heat and health. (2019). PH 1433 Research Seminar in Health Promotion and Behavioral Sciences. UTHealth Houston School of Public Health.

2. Budgets and budget justifications for research grants. (2019). PHM 1496 Integrative Learning Experience/Capstone. UTHealth Houston School of Public Health.

1. Urban agriculture for community health. (2018). APPH 1040 Scientific Foundations of Health. Georgia Institute of Technology.

MENTORING

Faculty advisor, PhD degree, UTHealth Houston School of Public Health

2026–Present	Ayesha Ishaq
2024–Present	Tyson Murray
2023–2024	Bailey Perez (became advisor post-comprehensive exams)

Faculty advisor, MPH degree, UTHealth Houston School of Public Health

2025–Present	Mayra Guaman Correa
2025–Present	Avery Bejarano
2025–Present	Sophia Ghelardini
2025–Present	America McDaniel
2025–Present	Suzanna Metcalf
2025–Present	Camila Solano
2024–Present	Holly Bahamonde
2024–2026	Alexis Falzone
2024–2026	Peyton Herrneckar
2024–2026	Kyla Miller
2024–2026	Anthony Sherman
2024–2026	Isabella Stark
2024–2026	Mia Torres
2024–2026	Lucy Watson-Cook
2023–2025	Alorah Hitchcock
2023–2025	Jillian Davidson

2023–2025 Léa Feuerbacher
2023–2024 Alex Lao
2022–2024 Brian Call
2022–2024 Xochitlinda Gonzalez
2022–2024 Quam Kamal
2022–2023 Jessica Gonzalez
2022–2023 Marissa Gough
2022–2023 Kiana Jenkins
2022 Teddy Helal

Faculty mentor, Break the Cycle of Children's Environmental Health Disparities program
2025–2025 Nokwanda Kota (Eswatini)
2025–2025 Kenfrey Mutugi (Kenya)
2024–2025 Tyson Murray (United States)

Faculty mentor, Siyakhula Child Health Applied Research Training Program, Eswatini, Africa
2024–2025 Vusi Magagula
2022–2026 Phindile Malaza
2022–2024 Neliswa Mkhatshwa

Faculty mentor, Fundamentals of Science Research Program, Ossining High School, NY
2026–Present Jonah Vaughan

Dissertation chair, PhD degree, UTHealth Houston School of Public Health
2023–2024 Bailey Perez

Dissertation committee member, PhD degree
2026–Present Nokwanda Kota, UTHealth Houston School of Public Health
2026–Present Do Yun Lee, Community and Regional Planning, UT Austin
2024–Present Taylor Levy, UTHealth Houston School of Public Health
2023–Present Ed Pettitt, Urban Planning/Environmental Policy, Texas Southern University
2023–2026 Saswati Upadhyay, UTHealth Houston School of Public Health

Thesis chair, MPH degree, UTHealth Houston School of Public Health
2026–Present Vanshika Chaudhary
2024–2025 Léa Feuerbacher

Thesis committee member, MPH degree, UTHealth Houston School of Public Health
2025–2026 Jayvin Patel
2025 Kyla Miller
2022 Michael Vingiello

Honors thesis supervisor, BS degree, The University of Texas at Austin
2024–2025 Angelina Lofland

Supervisor of independent study, MPH degree, UTHealth Houston School of Public Health
2026 Suzanna Metcalf
2026 Isabella Stark
2025 Alorah Hitchcock
2024 Brian Call
2024 Alexis Phelps

Faculty mentor of field practicum, MPH degree, UTHealth Houston School of Public Health

2026	America McDaniel
2026	Sydney Gholston
2026	Suzanna Metcalf
2026	Anthony Sherman
2026	Isabella Stark
2025	Michael DiLeo
2024	Léa Feuerbacher
2024	Jillian Davidson
2024	Alorah Hitchcock
2023	Brian Call
2023	Xochitlinda Gonzalez
2023	Kiana Jenkins
2023	Quam Kamal
2022	Jessica Gonzalez

SERVICE

Federal Service

2024	Grant Reviewer Exploratory Grants for Climate Change and Health Research Center Development (P20 Clinical Trial Optional) (RFA-ES-23-007) National Institutes of Health
2023	Grant Reviewer Center for Climate and Health Assessments, Policy, and Practice Climate Program Office - NIHHIS FY2024 - Inflation Reduction Act National Oceanic and Atmospheric Administration
2023	Co-Chair Climate Change Workgroup Children's Health Protection Advisory Committee U.S. Environmental Protection Agency
2022–Present	Member Children's Health Protection Advisory Committee U.S. Environmental Protection Agency
2022–2025	Member (2025: all members released from service) Climate Change Subcommittee Board of Scientific Counselors U.S. Environmental Protection Agency
2022	Grant Reviewer Decision, Risk and Management Sciences Program National Science Foundation
2020–2021	Advisor DEVELOP National Program

National Aeronautics and Space Administration

National Service

2025–Present Research Brief Co-Organizer
Research Committee
Nature and Health Alliance

2024–Present Climate Change & Health SIG, Society of Behavioral Medicine
Outgoing Chair (2026–Present)
Chair (2025–2026)
Member, Advisory Board (2024–Present)

2024 Symposium Co-Chair
Everything's bigger in Texas, including opportunities to advance health equity
Society for Epidemiologic Research's Annual Meeting

2023 Member
Working Group of the U.S. Policy Brief
The *Lancet* Countdown on Health and Climate Change

2023 Moderator (also 2021, 2020)
Oral Presentation Session "Physical Activity and Environment"
American Public Health Association Annual Meeting

2023 Judge
Student Poster Competition
International Society of Exposure Science Annual Meeting

2022–Present Physical Activity SIG, Society of Behavioral Medicine
Member, Awards Working Group (2023–Present)
Member, Newsletter Working Group (2022–Present)
Member, Advisory Board (2022–Present)

2021–Present Member
Children's Environmental Health Committee
Environment Section
American Public Health Association

2021–2023 Member
Human Health and Safety Technical Workgroup
New York State Climate Impacts Assessment

2021 Facilitator
Breakout Session "Climate Change"
APHA Environment and Maternal and Child Health Cross-Section Meeting

2020–2023 Member
Advisory Board of Center for Climate, Health, and Equity
American Public Health Association

2020 Facilitator
Roundtable “The impact of climate change on physical activity patterns”
Active Living Conference

2017–Present Physical Activity Section, American Public Health Association
Chair, Research & Policy Committee (2023–2024)
Member, Awards Committee (2020–Present)
Vice Chair, Research Committee (2020–2023)
Governing Councilor (2020–2022)
Member, COVID-19 and Physical Activity Task Force (2020–2021)
Chair, Research Committee (2019–2020)
Vice Chair, Research Committee (2018–2019)
Vice Chair, Student Committee (2017–2018)

International Service

2026 Grant Reviewer
Weave Funding Scheme
Swiss National Science Foundation

2025 Grant Reviewer
MTR Research Funding Scheme
Mass Transit Railway (MTR) Academy
MTR Corporation, Hong Kong

2024 Grant Reviewer
Siyakhula CHART Program Pilot Project Award
Growing HIV/TB Research Knowledge for Growing Healthy Kids in Eswatini

2022 Grant Reviewer
Siyakhula CHART Program Pilot Project Award
Growing HIV/TB Research Knowledge for Growing Healthy Kids in Eswatini

Editorial & Peer Review Service

Editorial Roles
2026–Present Editorial Board Member
Journal of Physical Activity & Health

Book Review
Santos Nouri, A., & Matzarakis, A. *Climate resilient planning and design*. Elsevier.

Journal Article Peer Review
American Journal of Public Health
Cities
Climate
Climate Risk Management
Environmental Health Perspectives
Environmental Research: Health
F1000Research
Geophysical Research Letters

Health & Place
International Journal of Biometeorology
Journal of Adolescent Health
Journal of Applied Meteorology and Climatology
Journal of Health and Pollution
Journal of Physical Activity & Health
Journal of Transport & Health
Journal of Urban Health
The Lancet Planetary Health
The Lancet Countdown U.S. Brief on Health and Climate Change
Landscape and Urban Planning
National Academies Press
Nature Cities
People and Nature
PLOS ONE
Preventing Chronic Disease
Preventive Medicine
Primary Care Diabetes
Review of Educational Research
Sustainability
Sustainable Cities and Society
Transport Reviews
Travel Behaviour and Society
Urban Climate
Weather, Climate, and Society

Conference Abstract Review
American Public Health Association Annual Meeting
American Public Health Association Physical Activity Twitter Conference
Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine

University Service

UTHealth Houston School of Public Health

2026–Present	Member Academic Student Affairs Committee
2026–Present	Member Admissions Committee Department of Epidemiology
2026	Moderator Webinar by Suzanna Metcalf “Extreme Heat & Outdoor Physical Activity of Texas Children: Health Risks & Potential Adaptations” Michael & Susan Dell Center for Healthy Living
2024–Present	Member Executive Committee of the Austin Regional Campus

2024–Present	Doctoral Preliminary Exam Committee Member Department of Environmental & Occupational Health Sciences
2024–Present	Search Committee Member Faculty Cluster Hire in Environmental & Occupational Health Sciences
2024–2025	Faculty Lead Environment Committee of the Austin Regional Campus
2024	Reviewer Doctoral Dissertation Award
2024	Grant Reviewer PRIME Award
2024	Moderator Webinar by Robin Stallings “The (Bike) Trail to Health and Economic Prosperity” Michael & Susan Dell Center for Healthy Living
2024	Reviewer Ronald B Harrist Scholarship in Public Health
2023–2026	Member IT Faculty Advisory Committee
2023	Grant Reviewer NIOSH Pilot Projects Research Training Program Southwest Center for Occupational and Environmental Health
2023	Reviewer Epidemiology Preliminary Exam for Pre-Doctoral Students
2022–2023	Search Committee Member Department Chair Hire in Environmental & Occupational Health Sciences
2022–2023	Search Committee Member Faculty Cluster Hire in Environmental & Occupational Health Sciences
2022	Grant Reviewer NIOSH Pilot Projects Research Training Program Southwest Center for Occupational and Environmental Health
2022	Moderator Webinar by Jay Maddock “Improving Health through Nature” Michael & Susan Dell Center for Healthy Living
2022	Reviewer Ronald B Harrist Scholarship in Public Health

2022 Panel Judge
Healthcare Innovation Collaborative

2021–Present Member
Admissions Committee
Department of Environmental & Occupational Health Sciences

2020–2023 Member
Diversity, Equity, & Inclusion Team
Michael & Susan Dell Center for Healthy Living

The University of Texas at Austin

2024–Present Member
Academic Advisory Council
Extreme Weather Adaptation Lab

2022 Reviewer
Austin Climate Assessment
CRP/LAR 383 Climate Adaptive Cities

2021–2022 Chair
Health Implications of Built & Social Environment Workgroup
Center for Health & Environment: Education & Research (CHEER)

2020–2024 Faculty Advisor
Frontline Community Partnerships for Climate Justice
Planet Texas 2050

Texas A&M University

2024–Present Faculty Fellow
Microclimatic Design Research Group

Georgia Institute of Technology

2017–2018 PhD Student Ambassador
Department of City & Regional Planning

2014–2018 PhD Social Chair
Department of City & Regional Planning

Community Service

2025–Present Member
Board of Directors
Urban Oasis Cooperative

2024 Co-Organizer
Texas Heat Summit
Texas Physicians for Social Responsibility

2024	Judge (also 2023, 2020, 2019) Greater Austin Regional Science and Engineering Fair
2023–Present	Member Environmental Stewardship Advisory Committee Austin Independent School District
2023–Present	Partner Texas Children in Nature Network
2022–2023	Co-Chair Austin Regional Collaborative Texas Children in Nature Network
2022	Reviewer 2022 Champions Awards Texas Children in Nature Network
2020–Present	The Trail Conservancy Member, Executive Committee (2024–2025) Member, Ecological Restoration Committee (2021–Present) Member, Board of Directors (2021–Present) Chair, Diversity, Equity, & Inclusion Committee (2021–2024) Member, Diversity, Equity, & Inclusion Committee (2020–2024)

HONORS AND AWARDS

2025	NSF Travel Award NCAR Extreme Heat Research Symposium
2025	JPAH 2024 Article of the Year: Best Observational Study **Lanza K**, Alcazar M, Durand CP, Salvo D, Villa U, Kohl III HW. (2022). Heat-resilient schoolyards: Relations between temperature, shade, and physical activity of children during recess. *Journal of Physical Activity & Health*. https://doi.org/10.1123/jpah.2022-0405
2023	NASA Travel Award Health and Air Quality Applied Sciences Team (HAQAST) Meeting
2022	Stephen P. Hooker Research Award (for best abstract and presentation) Physical Activity Section American Public Health Association Annual Meeting
2022	Research Applications Laboratory Visitor Program National Center for Atmospheric Research
2020	APHA Physical Activity Section Scholarship American Public Health Association Annual Meeting
2019	Grant U.S. Health Award

Michael & Susan Dell Center for Healthy Living
UTHealth Houston School of Public Health

2019 Tower Award
Office of Minority Education & Development
Georgia Institute of Technology

2018 Outstanding Teaching: Student Choice Award
Georgia Institute of Technology

2015–2018 Goizueta Foundation Fellowship
Georgia Institute of Technology

2014 New Mentor of the Year
Hearts Everywhere Reaching Out (H.E.R.O.) for Children

2013–2017 President's Fellowship
Georgia Institute of Technology

2007–2011 Emory University Varsity Cross Country and Track & Field
Emory Record Holder, 4x800m Relay (2011)
Team Captain (2010–2011)
Coach's Award (2010)
All-Academic Men's Cross Country Team (2010)
UAA President's Scholar Athlete Team (2010)
UAA Conference Champion, 4x800m Relay (2010)
USTFCCCA All-South/Southeast Region Team (2010)
UAA All-Academic Recognition (2008–2011)

MEMBERSHIPS

2026–Present International Society for Physical Activity and Health
2024–Present Nature and Health Alliance
2023–Present International Society of Exposure Science
2022–Present International Society of Behavioral Nutrition and Physical Activity
2022–Present Society of Behavioral Medicine
2021–Present Texas Children in Nature Network
2020–Present Physical Activity Policy Research and Evaluation Network
2019–Present Children & Nature Network
2017–Present American Public Health Association
2012–Present U.S. Green Building Council

CREDENTIALS

2012–Present Leadership in Energy and Environmental Design Accredited Professional
LEED AP Building Design + Construction (GBCI #0010723835)