

KEVIN LANZA

1616 Guadalupe Street, Suite 6.300, Austin, TX, U.S. 78701
Kevin.L.Lanza@uth.tmc.edu | +1 (321) 439-2135

ACADEMIC APPOINTMENT

2021–Present **Assistant Professor (tenure-track)**
Department of Epidemiology, Human Genetics, and Environmental Sciences
The University of Texas Health Science Center at Houston (UTHealth)
School of Public Health, Austin Regional Campus

EDUCATION & TRAINING

2019–2021 **Postdoctoral Fellow**
The University of Texas Health Science Center at Houston (UTHealth)
School of Public Health in Austin
Michael & Susan Dell Center for Healthy Living

2013–2018 **Doctor of Philosophy in City & Regional Planning**
Master of City & Regional Planning
Georgia Institute of Technology
Major: Urban Climate Adaptation; Minor: Public Health
Advisor: Brian Stone, PhD

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

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

PUBLICATIONS

Refereed Journal Articles

29. Szeszulski, J., Faro, J., Joseph, R. P., **Lanza, K.**, Lévesque, L., Monroe, C. M., Pérez-Paredes, E. A., Soltero, E. G., & Lee, R. E. (In Press). How societal forces of change are transforming youth physical activity promotion in North America. *Journal of Physical Activity & Health*.
28. Kamath, H., Martilli, A., Singh, M., Brooks, T., **Lanza, K.**, Bixler, P., Coudert, M., Yang, Z. L., & 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>

27. **Lanza, K.**, Jones, J., Acuña, F., Abbah, U., Bixler, P., Coudert, M., 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, E. T., Mantey, D. S., Omega-Njemnobi, O., Cristol, B., & Kelder, S. H. (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, C. J., Mallen, E., Hondula, D., O'Neill, M. S., Rajput, M., Grijalva, S., **Lanza, K.**, Harlan, S., Larsen, L., Augenbroe, G., Krayenhoff, E. S., 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, A. E., **Lanza, K.**, Byrd-Williams, C., Bryan, & A. E., Gershoff, E. T. (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, B., Lee, J., 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, H. W. (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, C. P., Salvo, D., Villa, U., & Kohl III, H. W. (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, D. S., Omega-Njemnobi, O., Hunt, E. T., **Lanza, K.**, Cristol, B., & Kelder, S. H. (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, C. J., Ketenci, K. C., Harlon, S. L., Hondula, D., Stone, B., **Lanza, K.**, Mallen, E., Wright, M. K., & O'Neill, M. S. (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, P. E., & 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, L. A. (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, L. A., **Lanza, K.**, Kohl III, H. W., & Hoelscher, D. M. (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, C. P., Alcazar, M., Ehlers, S., Zhang, K., & Kohl III, H. W. (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, A. M., Knell, G., Walker, T. J., Craig, D. W., Robertson, M. C., Salvo, D., & Kohl III, H. W. (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, C. P. (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, D. M., & Kohl III, H. W. (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, K. P., Knell, G., Hoelscher, D. M., Ranjit, N., Salvo, D., Walker, T. J., & Kohl III, H. W. (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, E. E., **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, P. M., 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, A. G. (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>

Research Reports

3. Children’s Health Protection Advisory Committee. Workgroup Co-Chairs: **Lanza, K.** & Nadeau, K. (2023). [CHPAC Climate Letter to Administrator Regan 082123](#). U.S. Environmental Protection Agency.
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

7. **Lanza, K.** & Alcazar, M. (2023). *Green Schoolyards One-Pager* ([English](#), [Spanish](#)).
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.

Media Interviews

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*](#).

GRANTS

Completed Grants

- 2020–2023 **Title:** Culture of Health Leaders Cohort Five-2020. **Award Total:** \$98,000 (Grant #78106). **Program:** Culture of Health Leaders program. **Funder:** Robert Wood Johnson Foundation. **Role:** Principal Investigator.
- 2020–2021 **Title:** Austin Public Library Urban Forestry Project. **Award Total:** \$50,000. **Program:** Urban Forest Funding Portal. **Funder:** City of Austin. **Role:** Principal Investigator of Subcontract (Project Director: Adrian Santos).
- 2019–2021 **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:** Principal Investigator (Project Director: Melody Alcazar).

Ongoing Grants

- 2023–2025 **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-Investigator (ERC Director: David Gimeno).
- 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:** Co-Investigator (Principal Investigator: Alex Karner).
- 2023–2024 **Title:** NFL Play 60 Evaluation. **Award Total:** \$25,000. **Program:** NFL Play 60. **Funder:** The Cooper Institute. **Role:** Co-Investigator (Principal Investigator: Timothy Walker).
- 2023–2024 **Title:** Siyakhula: Growing HIV/TB Research Knowledge for Growing Healthy Kids in Eswatini. **Award Total:** \$82,590. **Program:** NOT-TW-22-003 Climate Change and Health Administrative Supplement. **Funder:** NIH Fogarty International Center. **Role:** Co-Investigator (Principal Investigator: Anna Mandalakas).
- 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:** Principal Investigator.

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 School of Public Health. **Role:** Principal Investigator.

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-Principal Investigator with Michelle Wright.

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-2021). **Funder:** National Aeronautics and Space Administration. **Role:** Collaborator (Principal Investigator: Patrick Bixler).

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:** Principal Investigator of Subcontract (Principal Investigator: Dev Niyogi).

HONORS AND AWARDS

2023 Travel Award
NASA Health and Air Quality Applied Sciences Team (HAQAST) Meeting

2022 Stephen P. Hooker Research Award for best oral presentation
Physical Activity Section
American Public Health Association Annual Meeting

2022 Research Applications Laboratory Visitor Program (\$5,000)
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 School of Public Health in Austin

- 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 (\$16,000)
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 (\$27,000)
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)

PRESENTATIONS

Conference Oral Presentations

28. Chun, B., Washington, S., & **Lanza, K.** (Submitted). Assessing the impact of urban heat islands on bus ridership through an environmental justice lens. 2024 International Conference on Urban Affairs. New York, NY.
27. **Lanza, K.** (Submitted). Designing thinking: A creative problem-solving approach for climate adaptation. 45th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. Philadelphia, PA.
26. **Lanza, K.** (Accepted). Not child’s play: promoting physical activity of youth in the Texas heat. Society for Epidemiologic Research’s 57th Annual Meeting. Austin, TX.
25. **Lanza, K.**, Allison, B., Chen, B., Hunt, E. T., Burford, K., Zhang, Y., Ganzar, L. A., Wilson, P. S., & Keitt, T. H. (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 2023 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, L.A., & 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, C. P., Salvo, D., Villa, U., & Kohl III, H. W. (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, R. P., Lévesque, L., Monroe, C., Pérez-Paredes, E., Soltero, E. G., Szeszulski, J., & Lee, R. E. (2023). 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, P. E., & 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, N. C. (2021). The associations between recreational facilities and physical activity in U.S. adolescents. American Public Health Association Annual Meeting. Denver, CO.
13. Craig D. W., Szeszulski J., Dooley E. E., Johnson A., Knell G., **Lanza K.**, Robertson M. C., Walker T. J., Kohl III, H. W., & Fernandez, M. E. (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, E. E., Johnson, A., Knell, G., Walker, T. J., Craig, D. W., Robertson, M. C., Salvo, D., & Kohl III, H. W. (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, L. A., **Lanza, K.**, & Hoelscher, D. M. (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, H. W. (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, G. W., & Disney, J. E. (2010). Fish and invertebrate richness and abundance inside versus outside of *Zostera marina*. Mount Desert Island Biological Laboratory Research Symposium. Bar Harbor, ME.

Conference Poster Presentations

13. Brooks, T., Kamath, H., Gohlke, J. M., Sheffield, P. E., Gimeno, D., Niyogi, D., & **Lanza, K.** (Submitted). 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. Koeppe, 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, E. T., Brazendale, K., Kelder, S. H., **Lanza, K.**, Mantey, D. S., Cristol, B. A., & Hoelscher, D. M. (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, E. E., **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, D. M., & Kohl III, H. W. (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, D. M., & Kohl III, H. W. (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, T. H., De Jesús, V. R., & Cuthbert, C. D. (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, T. H., De Jesús, V. R., & Cuthbert, C. D. (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.

Invited Oral Presentations

27. How extreme heat impacts physical activity, health, and well-being and what we can do: Lessons from Texas. (2023). Keynote. 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). Webinar. Texas Children in Nature Network.
25. Wearable technologies to assess the environment-physical activity relationship in youth. (2023). Virtual Workshop. National Academies of Sciences, Engineering, and Medicine.
24. The importance of outdoor play. (2023). Webinar. Action for Healthy Kids.
23. Green Schoolyards Project. (2023). Webinar. Green School Park Committee, City of Austin.
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). Webinar. Center for Health and Environment, Education, and Research at The University of Texas at Austin.
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.
17. [How extreme heat impacts physical activity and what to do about it](#). (2022). Michael & Susan Dell Center for Healthy Living Webinar Series.
16. Health inequities in urban climates: The case for green schoolyards in Central Texas. (2022). Panel on Climate Crisis, Pubic 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 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.
8. Built environment, parks, and transportation as tools to safely increase physical activity in the population during the COVID-19 pandemic. (2020). Webinar for Epidemiology and Physical Activity Sections. American Public Health Association.

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.
6. September temperatures at school parks in Austin, Texas. (2019). Stakeholder Briefing. Cities Connecting Children to Nature Initiative.
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.
4. The Georgia Tech Climate Network. (2018). Facilities Sustainability Committee. Georgia Institute of Technology.
3. My graduate school experience. (2018). FOCUS program. Georgia Institute of Technology.
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.

TEACHING EXPERIENCE

Instructor of Record

2023, '22	<u>The University of Texas Health Science Center at Houston (UTHealth)</u> PHW 2150 Air Environment
2018	<u>Georgia Institute of Technology</u> CP 2233 Sustainable Urban Development

Teaching Assistant

2017, '16	<u>Georgia Institute of Technology</u> 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

19. Heat vulnerability and adaptation strategies. (2023). CRP/LAR 383 Climate Adaptive Cities. University of Texas at Austin.
18. Urban heat island effect field exercise. (2023). GEO371T The Science of Environmental Justice. University of Texas at Austin.

17. Budgets and budget justifications for research grants. (2023). PHM 1496 Integrative Learning Experience/Capstone. UTHealth School of Public Health.
16. Management of urban heat and stormwater for health equity. (2022). CRP/LAR 383 Climate Adaptive Cities. University of Texas at Austin.
15. Fate & transport of environmental contaminants. (2022). PHWM 2110L Public Health Ecology & The Human Environment. UTHealth School of Public Health.
14. Environment-physical activity relationship and the utility of direct observation methods. (2022). PH 5400 Physical Activity Assessment & Surveillance. UTHealth School of Public Health.
13. Budgets and budget justifications for research grants. (2022). PHM 1496 Integrative Learning Experience/Capstone. UTHealth School of Public Health.
12. Air quality. (2021). PH 5610 Global Health Overview. UTHealth School of Public Health.
11. Knowledge, science, and learning. (2021). PA 388L Advanced Topics in Management: Collaborative Governance. University of Texas at Austin.
10. Urban heat management for physical activity. (2021). PHD 2105 Environmental and Occupational Health Sciences Doctoral Seminar. UTHealth School of Public Health.
9. Health promotion in urban environments. (2021). PH 1498 Planetary Health. UTHealth 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 School of Public Health.
6. Applications of GIS in urban heat and health research. (2020). PH 2126 Fundamentals and Applications of GIS. UTHealth School of Public Health.
5. Budgets and budget justifications for research grants. (2020). PHM 1496 Integrative Learning Experience/Capstone. UTHealth School of Public Health.
4. Built environment strategies for climate change mitigation and adaptation. (2020). PH 2998 Public Health and Climate Change. UTHealth 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 School of Public Health.
2. Budgets and budget justifications for research grants. (2019). PHM 1496 Integrative Learning Experience/Capstone. UTHealth School of Public Health.

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

Supervision and Mentoring

Faculty advisor, PhD degree, UTHealth School of Public Health

2023–Present Bailey Perez

Faculty advisor, MPH degree, UTHealth School of Public Health

2023–Present Jillian Davidson
 2023–Present Léa Feuerbacher
 2023–Present Alorah Hitchcock
 2023–Present Alex Lao
 2022–Present Brian Call
 2022–Present Xochitlinda Gonzalez
 2022–Present Quam Kamal
 2022–2023 Jessica Gonzalez
 2022–2023 Marissa Gough
 2022–2023 Kiana Jenkins
 2022 Teddy Helal

Faculty mentor of scholars in Eswatini, Siyakhula Child Health Applied Training Program

2022–Present Neliswa Mkhathshwa, University of the Witwatersrand, South Africa
 2022–Present Phindile Malaza, Baylor College of Medicine Children's Foundation Eswatini

Dissertation committee member, PhD degree

2023–Present Saswati Upadhyay, UTHealth School of Public Health
 2023–Present Ed Pettitt, Urban Planning/Environmental Policy, Texas Southern University
 2022–Present Lynn Heilbrun, UTHealth School of Public Health

Thesis committee member, MPH degree, UTHealth School of Public Health

2022 Michael Vingiello

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

2023 Brian Call
 2023 Xochitlinda Gonzalez
 2023 Kiana Jenkins
 2023 Quam Kamal
 2022 Jessica Gonzalez

SERVICE

2024 Symposium Co-Chair
 Everything's bigger in Texas, including opportunities to advance health equity
 Society for Epidemiologic Research's 57th Annual Meeting

2023–Present Member
IT Faculty Advisory Committee
UTHealth School of Public Health

2023–Present Member
Policy Brief for the United States of America
The Lancet Countdown on Health and Climate Change

2023–Present Member
Environmental Stewardship Advisory Committee
Austin Independent School District

2023–Present Co-Chair
Climate Change Workgroup
Children's Health Protection Advisory Committee
U.S. Environmental Protection Agency

2023–Present Partner
Texas Children in Nature Network

2023 Judge
ISES2023 Student Poster Competition
International Society of Exposure Science 2023 Annual Meeting

2022–Present Member
Children's Health Protection Advisory Committee
U.S. Environmental Protection Agency

2022–Present Co-Coordinator
Graduate Certificate of Physical Activity and Health
UTHealth School of Public Health

2022–Present Member
Advisory Board
Physical Activity Special Interest Group
Society of Behavioral Medicine

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

2022–Present Member
Climate Change Subcommittee
Board of Scientific Counselors
U.S. Environmental Protection Agency

2022–2023	Search Committee Member Department Chair Hire in Environmental and Occupational Health Sciences UTHealth School of Public Health
2022–2023	Search Committee Member Faculty Cluster Hire in Environmental and Occupational Health Sciences UTHealth School of Public Health
2022–2023	Tri-Chair Austin Regional Collaborative Texas Children in Nature Network
2022	Reviewer Austin Climate Assessment CRP/LAR 383 Climate Adaptative Cities University of Texas at Austin
2022	Moderator Webinar by Jay Maddock titled “Improving Health through Nature” Michael & Susan Dell Center for Healthy Living
2022	Reviewer 2022 Champions Awards Texas Children in Nature Network
2022	Reviewer Ronald B. Harrist Scholarship in Public Health UTHealth School of Public Health in Austin
2022	Panel Judge Healthcare Innovation Collaborative UTHealth
2021–Present	Chair Health Implications of Built & Social Environment Workgroup Center for Health & Environment: Education & Research (CHEER) The University of Texas at Austin
2021–Present	Member Admissions Committee Department of Epidemiology, Human Genetics, and Environmental Sciences UTHealth School of Public Health
2021–Present	Member Human Health and Safety Technical Workgroup New York State Climate Impacts Assessment

2021–Present	Member Children’s Environmental Health Committee Environment Section American Public Health Association
2021–Present	Member Equity and Resilience Workgroup Physical Activity Policy Research and Evaluation Network
2021–2022	Member Center for Serve Learn Sustain Alumni Affinity Group Georgia Institute of Technology
2021	Facilitator Breakout Session “Climate Change” APHA Environment and Maternal and Child Health Cross-Section Meeting
2021, ’20	Moderator Oral Presentation Session “Physical Activity and Environment” American Public Health Association Annual Meeting
2020–Present	Faculty Advisor Frontline Community Partnerships for Climate Justice Planet Texas 2050 The University of Texas at Austin
2020–Present	<u>The Trail Conservancy</u> Member, Board of Directors (2021–Present) Chair, Diversity, Equity, & Inclusion Committee (2021–Present) Member, Ecological Restoration Committee (2021–Present) Member, Diversity, Equity, & Inclusion Committee (2020–Present)
2020–2023	Member Advisory Board of Center for Climate, Health, and Equity American Public Health Association
2020–2023	Member Diversity, Equity, & Inclusion Team UTHealth School of Public Health in Austin
2020–2021	Advisor DEVELOP National Program National Aeronautics and Space Administration
2020	Facilitator Roundtable “The impact of climate change on physical activity patterns” Active Living Conference

- 2023, '20, '19 Judge
Austin Energy Regional Science Festival
- 2019–Present Advisor
Office of Sustainability
City of Austin
- 2017–Present Physical Activity Section, American Public Health Association
Vice Chair, Research Committee (2020–Present)
Member, Awards Committee (2020–Present)
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)
- 2014–2018 Department of City & Regional Planning, Georgia Institute of Technology
PhD Student Ambassador (2017–2018)
PhD Social Chair (2014–2018)

Peer Reviewer of Grant Proposals

- 2022 Siyakhula CHART Program Pilot Project Award
Growing HIV/TB Research Knowledge for Growing Healthy Kids in Eswatini
- 2022 NIOSH Pilot Projects Research Training Program
Southwest Center for Occupational and Environmental Health
- 2022 Decision, Risk and Management Sciences Program
National Science Foundation

Peer Reviewer of Scientific Manuscripts

Climate

Climate Risk Management

F1000Research

Health & Place

International Journal of Biometeorology

International Journal of Environmental Research and Public Health

Journal of Adolescent Health

Journal of Physical Activity & Health

Journal of Urban Health

The Lancet Planetary Health

Landscape and Urban Planning

National Academies Press

PLOS ONE

Preventing Chronic Disease

Preventive Medicine
Primary Care Diabetes
Sustainability
Urban Climate
Weather, Climate, and Society

Peer Reviewer of Conference Abstracts

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

MEMBERSHIPS

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)
--------------	--