

Kathryn (Katie) Gray Burford, PhD

July 2026

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<https://katiegrayburford.github.io/site/>

EDUCATION

2020 - 2023 **Ph.D., Epidemiology**

Minors: Biostatistics, Behavioral Science; Concentration: Data Science

The University of Texas Health Science Center at Houston (UTHealth)

School of Public Health, Austin, TX

Mentor: Harold W. Kohl III

Thesis: Measuring traffic-related safety for active commuting to school

2018 - 2020 **M.S., Exercise Science**

The University of Texas at Austin, Austin, TX

Mentor: John Bartholomew

Thesis: Children's enjoyment, perceived competency, and physical activity during high-intensity interval training in physical education

2012 - 2016 **B.S., Public Health**

Minors: Pre-medicine

The University of Texas at Austin, Austin, TX

Mentor: John Bartholomew

Thesis: A qualitative study exploring user and non-user's perceptions of wearable activity trackers

ACADEMIC POSITIONS

2026 - **Research Associate**

Department of Parks, Recreation and Tourism Management

College of Natural Resources

North Carolina State University, Raleigh, NC

2025 - 2026 **Postdoctoral Research Scholar**

Department of Parks, Recreation and Tourism Management

College of Natural Resources

North Carolina State University, Raleigh, NC

Mentor: Aaron Hipp

2025 - 2026 **Postdoctoral Research Scientist**

Department of Epidemiology

Mailman School of Public Health

Columbia University Irving Medical Center, New York, NY

Mentor: Andrew Rundle

2023 - 2025 **Postdoctoral Research Fellow**

Department of Environmental Health Sciences

Mailman School of Public Health
Columbia University Irving Medical Center, New York, NY
Mentor: Andrew Rundle

HONORS & AWARDS

2022	James A. Baker III Transformation and Hope Endowed Scholarship
2022	Ronald B. Harrist Scholarship in Public Health
2021	International Society of Physical Activity and Health Mini-Oral Presentation Trainee Award
2021	Aurelia Murphy Killian Endowment in Public Health
2020	Fall 2020 Outstanding New Student Scholarship Award, University of Texas Health Science Center (UTHealth)
2012 - 2016	Big 12 Commissioner's Honor Roll
2014 - 2016	The University of Texas Provost Award
2013 - 2016	Academic All-Big 12, First Team (Cross Country, Track and Field)
2015	USTFCCCA All-Academic Team

PROFESSIONAL ORGANIZATIONS

Editorial Board Member

2025 Translational Journal of the American College of Sports Medicine

Journal Reviewer

American Journal of Preventive Medicine
Journal of Transport and Health
International Journal of Epidemiology
Journal of Urban Health
JMIR mHealth and uHealth
Journal of Addiction Medicine
American Journal of Public Health
Travel Behaviour and Society
Translational Journal of Behavioral Medicine

Consultive Services

2025 - Blue Data, LLC (owner)
 Consulting services: study design and methods, study analysis, reports
 and publications.
 Funding: \$10,000
 Clients: Ouraring Inc., Jurē.

Memberships and Positions

2026	Postdoctoral Fellow, Center for Geospatial Analytics, College of Natural Resources, North Carolina State University, Raleigh, NC
2025	Member of the Urban Hub Work Group, Physical Activity Policy Research Network
2024 -	Micromobility Task Force Member, Micromobility Injury Measurement Using Health-Sourced Data, New York City, New York
2023 -	Member of Transportation Alternatives Manhattan, New York, New York
2023 - 2026	Fellow affiliate of the Columbia Population Research Center
2024 - 2025	Volunteer for Manhattan County School Bike Bus
2023	Member of American Public Health Association (APHA)
2023 - 2024	Member of the Transportation Policy & Planning Work Group, Physical Activity Policy Research Network
2023 -	Member of the Built Environment and Health Research Group, Department of Epidemiology, Mailman School of Public Health, Columbia University
2022	Member of the Health Implications of Built & Social Environment Working Group, Center for Health and Environment, Education and Research, Dell Medical School
2022	UTHealth <i>Leads</i> Fellowship
2021	Member of International Society for Physical Activity and Health (ISPAH)
2021 - 2022	Fellow of the Equity and Resilience Workgroup for the Physical Activity Policy Research Network (PAPREN)
2021 - 2022	UTHealth Peer MentorSHIP: Students Helping to Inspire Progress program as a Peer Mentor for 2021 - 2022.
2021 - 2022	Social Chair for the Student Advisory Board, UTHealth School of Public Health in Austin
2020 - 2023	Member of the Equity and Resilience Work Group, Physical Activity Policy Research Network
2020 - 2022	Bike Austin Board Member, Austin, Texas
2020 - 2023	Member of the Physical Activity Workgroup, UTHealth School of Public Health in Austin
2019	Member of American College of Sports Medicine (ACSM)
2012 - 2016	NCAA Division I Student-Athlete, University of Texas Women's Cross Country/Track and Field Teams

FELLOWSHIPS AND GRANT SUPPORT

Awarded

2025 - 2026 **Multi-level and multi-generational approaches, Unifying Novel Interventions, and Training for health EquitY**

Funding Agency: National Institute on Minority Health and Health Disparities; Center to Improve Chronic disease Outcomes through
Grant number: P50 MD017341

Funding: \$49,995 (direct) from original grant, \$25,000 (direct) re-instated

Role: Principal investigator

Note: On March 10, 2025 I received a “stop-work order” from the federal government. On September 9, 2025 the grant was re-instated.

2023 - 2025 **T32 program for Advanced Training in Environmental Health and Data Science: Molecules to Populations**

Funding Agency: National Institute of Environmental Health Sciences

Grant number: 5T32ES007322-21

Miller, G., Factor-Litvak, P., Perzanowski, M. (PIs)

Role: T32 post-doctoral trainee

Note: On March 13, 2025 this training grant was terminated by the federal government

2025 **Micromobility N.Y.C. A project designed to investigate all micromobility device incidents**

Funding Agency: The New York State Governor’s Traffic Safety Committee

Grant number: HS1-2025-NYU00074-(031)

Funding: \$99,867 (direct)

Role: Consultant

Pending

2025 **Examining built environment factors to prevent alcohol-related bicyclist injuries**

Funding Agency: National Institute on Alcohol Abuse and Alcoholism

Grant number: 1K99AA032332-01A1

Funding: \$334,000 (direct)

Role: Principal investigator

Re-submission: March 2025

Impact score: 34

EDUCATIONAL CONTRIBUTIONS

Direct Teaching

2023 Teaching assistant - Basic concepts of systematic review and meta-analysis for epidemiological studies
The University of Texas Health Science Center at Houston School of Public Health, Austin, TX

- 2021 Teaching assistant - Physical Activity and Health: Epidemiology and Mechanisms
The University of Texas Health Science Center at Houston School of Public Health, Austin, TX
- 2019 Teaching assistant - Maymester: Sport, Society, and The International Olympic Movement
The University of Texas at Austin, Lausanne, Switzerland
- 2019 Teaching assistant - UGS: Physical Activity and Public Health
The University of Texas at Austin, Austin, TX
- 2019 Teaching assistant - Physical Activity and Public Health
The University of Texas at Austin, Austin, TX
- 2019 Teaching assistant - Sports Psychology
The University of Texas at Austin, Austin, TX
- 2018 Teaching assistant - Exercise Physiology
The University of Texas at Austin, Austin, TX

Professional Education

- 2025 Invited Expert Consensus Workshop. Developing a Theoretical Framework to Evaluate Urban Green and Blue Space Interventions. The University of Manchester. Manchester, UK.
- 2023 - 2025 Advanced GIS Methods in Epidemiology. T32 program for Advanced Training in Environmental Health and Data Science: Molecules to Populations. Mailman School of Public Health. New York, NY.
- 2022 Data Science Certificate. The University of Texas Health Science Center at Houston School of Public Health. Austin, TX.
- 2021 Introduction to GIS. Summer Statistics Institute. Department Of Statistics and Data Sciences. The University of Texas at Austin. Austin, TX.

PUBLICATIONS

H-Index – Scopus 7, Google Scholar 10

^aDenotes co-first authorship

Peer-reviewed Research Publications (25 total, 12 first author)

1. Itzkowitz, N.G, Roberts, L.E., Li, G., Rundle, A.G., Pressley, J.C., **Burford, K. G.**, Zadey, S., Whalen, A.M., Bushover, B., Morrison, C.N. Road traffic crashes after implementation of the Congestion Relief Zone in New York City. (2026). *American Journal of Epidemiology*. DOI: [10.1093/aje/kwag090](https://doi.org/10.1093/aje/kwag090)
2. ^aZhang, Y., **Burford, K.**, Perez, A., Lanza, K., Salvo, D., Baker, B.A., Hoelscher, D.M. Poor Agreement between Teacher Perceived and Objective Measures of Weather Conditions for School-Based Physical Activity Research. *Preventive Medicine Reports*. (2025). DOI: <https://doi.org/10.1016/j.pmedr.2025.103328>.
3. **Burford K.G.**, Neckerman K. M., Quinn J. W., Bader M. D. M., Lovasi G. S., Mooney S. J., Itzkowitz N. G., Kinsey D., Rundle A. G. "Where Do Older Pedestrians Experience a Risk of Being Killed in a Motor Vehicle Crash?," *Journal of*

the American Geriatrics Society (2025): 1–11.

DOI: <https://doi.org/10.1111/jgs.70198>

4. **Burford K.G.**, Lo A.X., Quinn J.W., Crowe R.P., Just A.C., Kondo M.C., Beard J.R., Rundle A.G. Tree Canopy Cover and Injurious Pedestrian Falls: A Location-Based Case-Control Study. *American Journal of Epidemiology*. (2025). DOI: [10.1093/aje/kwaf231](https://doi.org/10.1093/aje/kwaf231).
5. **Burford, K.G.**, Salvo, D., Kohl, H. W., Ganzar, L.A., Bauer, Cici X., Resendiz, E., Zhang, Y. & Hoelscher. D. M. (2025). Examination of Traffic Safety in Neighborhoods Associated With Active Commuting to School in Austin, Texas. *Journal of Physical Activity and Health*. DOI: <https://doi.org/10.1123/jpah.2025-0010>
6. Gao, X., Horbal, S.R., **Burford, K.G.**, Bidulescu, A. Alcohol use mediates the association between sexual dating violence victimization and attempted suicide among U.S. high school students. (2025). *American Journal of Preventive Medicine*. DOI: [10.1016/j.amepre.2025.107663](https://doi.org/10.1016/j.amepre.2025.107663)
7. Lanza, K., Allison, B., Chen, B., Wilson, P.S., Hunt, E.T., **Burford, K.G.**, Zhang, Y., Ganzar, LA, Keitt, T.H. Ambient environmental exposures while cycling on a vegetated trail versus the road. (2025). *Urban Climate*. DOI: [10.1016/j.uclim.2025.102429](https://doi.org/10.1016/j.uclim.2025.102429)
8. Itzkowitz, N.G., **Burford, K.**, Crowe, R. P., Wang, H. E., Lo. A. X., Rundle, A. G. Prevalence of indications of alcohol and drug use among patients treated for injurious falls by Emergency Medical Services in the USA. (2025). *Injury Prevention*. Epub ahead of print. DOI: [10.1136/ip-2024-045447](https://doi.org/10.1136/ip-2024-045447)
 - The lead author is a Doctoral student whom I mentored on this paper.
9. **Burford, K.G.**, Itzkowitz, N.G., Rundle, A.G., DiMaggio, C., Mooney, S.J. The Burden of Injuries Associated With E-Bikes, Powered Scooters, Hoverboards, and Bicycles in the United States: 2019–2022. (2024). *American Journal of Public Health*, 114(2). DOI: [10.2105/AJPH.2024.307820](https://doi.org/10.2105/AJPH.2024.307820)
10. **Burford, K.G.**, Itzkowitz N.G., Ortega A.G., Teitler J.O., Rundle A.G. Use of Generative AI to Identify Helmet Status Among Patients With Micromobility-Related Injuries From Unstructured Clinical Notes. (2024). *JAMA Network Open*, 7(8). DOI: [10.1001/jamanetworkopen.2024.25981](https://doi.org/10.1001/jamanetworkopen.2024.25981)
11. **Burford, K.G.**, Itzkowitz, N.G., Crowe, R.P., Wang, H.E., Lo, A.X., Rundle, A.G. Clinical trauma severity of indoor and outdoor injurious falls requiring emergency medical service response. (2024). *Injury Epidemiology*, 11(36). DOI: [10.1186/s40621-024-00517-1](https://doi.org/10.1186/s40621-024-00517-1)
12. **Burford, K.G.**, Rundle, A.G., Frangos. S., Pfaff. A., Wall, S., Adeyemi, O., DiMaggio, C. Comparing alcohol involvement among injured pedalcycle and motorcycle riders across three national public-use datasets. (2024). *Traffic Injury Prevention*, 25(8). DOI: [10.1080/15389588.2024.2364358](https://doi.org/10.1080/15389588.2024.2364358)
13. Knell, G., **Burford, K.**, Calise, T., Dooley, E. E., Ferrerira Des Moraes, A.C., Ganzar, L.A., Han, H., Heredia, N., Jauregui, A., Johnson, A., Lanza, K., Nehme,

- E., Nicksic, H., Oluyomi, A., Porter, A., Varela, A. R., 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 and Public Health*, 21(3). DOI: [10.1123/jpah.2024-0074](https://doi.org/10.1123/jpah.2024-0074)
14. Ganzar, L.A., **Burford, K.**, Salvo, D., Spoon, C., Sallis, J., Hoelscher, D.M. (2024). Development, Scoring, and Reliability for the Micro-scale Audit of Pedestrian Streetscapes for Safe Routes to School (MAPS-SRTS) Instrument. *BMC Public Health*, 24(722). DOI: [10.1186/s12889-024-18202-9](https://doi.org/10.1186/s12889-024-18202-9)
 15. Ganzar, L.A., **Burford, K.**, Zhang, Y., Gressett, A., Kohl, H.W., III, Hoelscher, D.M. (2023). Associations of Walking and Biking to School Policies and Student Active Commuting to School. *Journal of Physical Activity & Health*, 20(7). DOI: [10.1123/jpah.2022-0376](https://doi.org/10.1123/jpah.2022-0376)
 16. Ferrerira Des Moraes, A.C., **Burford, K.**, Medeiros-Oliveria, V.C., Schaan, B.D., Bloch, K., Baiocchi de Carvalho, K.M., Curea, F.V., Nascimento-Ferreira, M.V. (2023). Association between sleep time and pro- anti-inflammatory biomarkers is mediated by abdominal obesity among adolescents. *Journal of Physical Activity & Health*, 20(10). DOI: [10.1123/jpah.2022-0468](https://doi.org/10.1123/jpah.2022-0468)
 17. Bartholomew, J.B., Clutton, J., **Burford, K.**, Aadland, E., Resaland, G.K., Jowers, E., Errisuiz, E. Individual- and Environmental- Level Predictors of Recess: Findings from the I-CAN! Study. (2022). *Translational Journal of the American College of Sports Medicine*, 7(4). DOI: [10.1249/tjx.0000000000000212](https://doi.org/10.1249/tjx.0000000000000212)
 18. Ganzar, L.A., Salvo, D., **Burford, K.**, Zhang, Y., Kohl, H.W., III, Hoelscher, D.M. (2022). Longitudinal Changes in Objectively-Measured Physical Activity and Sedentary Time Among School-Age Children in Central Texas, US During the COVID-19 Pandemic. *International Journal of Behavioral Nutrition and Physical Activity*, 19(56). DOI: [10.1186/s12966-022-01299-9](https://doi.org/10.1186/s12966-022-01299-9)
 19. Lanza, K., **Burford, K.**, Ganzar, L.A. (2022). Who travels where: Behavior of pedestrians and micromobility users on transportation infrastructure. *Journal of Transport Geography*. DOI: [10.1016/j.jtrangeo.2021.103269](https://doi.org/10.1016/j.jtrangeo.2021.103269)
 20. **Burford, K.**, Ganzar, L.A., Lanza, K., Kohl, H.W., III, Hoelscher, D.M. School-Level Economic Disparities in Police-Reported Crimes and Active Commuting to School. (2021). *International Journal of Environmental Research and Public Health*, 18(20). DOI: [10.3390/ijerph182010885](https://doi.org/10.3390/ijerph182010885)
 21. **Burford, K.**, Golaszewski, N. M., Bartholomew, J.B. “I shy away from them because they are very identifiable”: A qualitative study exploring user and non-user’s perceptions of wearable activity trackers. (2021). *Digital Health*. DOI: [10.1177/20552076211054922](https://doi.org/10.1177/20552076211054922)
 22. **Burford, K.**, Gillepsie, K., Bartholomew, J.B., Jowers, E. Children’s Enjoyment, Perceived Competency, and Physical Activity During High-Intensity Interval Training in Physical Education. (2021). *Research Quarterly for Exercise and Sport*, 93(4):835-844. DOI: [10.1080/02701367.2021.1925207](https://doi.org/10.1080/02701367.2021.1925207)

23. Errisuiz, V.L., Dooley, E.E., **Burford, K.**, Johnson, A.M., Jowers E., Bartholomew, J.B. Quality of Process Impacts Fourth Grade Students' Participation in Physically Active Academic Lessons. (2021). *Prevention Science*, 22(7). DOI: [10.1007/s11121-021-01233-8](https://doi.org/10.1007/s11121-021-01233-8)
24. ^a**Burford, K.**, Dooley, E., Lanza, K., & Knell, G. Associations of Urbanicity and Sociodemographic Characteristics with Protective Health Behaviors and Reasons for Leaving the Home During COVID-19. (2020). *Health Psychology Bulletin*. DOI: [10.5334/hpb.24](https://doi.org/10.5334/hpb.24)
25. Knell, G., Robertson, M. C., Dooley, E. E., **Burford, K.**, & Mendez, K. S. Health Behavior Changes During COVID-19 Pandemic and Subsequent “Stay-at-Home” Orders. (2020). *International Journal of Environmental Research and Public Health*, 17(7). DOI: [10.3390/ijerph17176268](https://doi.org/10.3390/ijerph17176268)

In Revisions, Under Review, or In Preparation (first author only)

1. **Burford, K.G.**, Han, J., Piotrowski, E., Hughey, S.M., Schipperijn, J., Crowley, S.K., Benton, J.S., Hipp, J.A. Implementing Emerging Methods to Improve Evaluations of Playground and Park Renovations: A Comparative Case Study on Park Use in Low-Income, Predominantly Black Communities. *International Journal of Behavioral Nutrition and Physical Activity*. (In Revisions)
2. **Burford, K.G.**, Grogan, H., Rocca, A., Mutyala, N.N., Reyes, G., Varela, C.E., Dogbo, S., Botello, S., Mooney, S.J., Rundle, A.G. The Development of a Google Street View Audit Tool to Assess Urban Trees for Studies of Urban Forestry and Health. *Journal of Urban Health*. (Under Review)
3. **Burford, K.G.**, Han, J., Klein, W., Gutierrez, I., Allen, B., Hattaway, D., Hipp, J.A. Developing and Validating a Scalable Method to Identify Privately-Managed Parks to Improve Park Access Equity: Two Case Studies in North Carolina. (In Preparation for Urban Forestry & Urban Greening).
4. **Burford, K.G.**, Bishop, J.F., Carl, A., Hipp, J.A., McDonald, J.A., Rundle, A. G. Exploring the Potential of New York City's Open Streets for Schools Program For Advancing Health Equity and Reducing Chronic Disease Disparities Among Children. (In Preparation for Health & Place).
5. **Burford, K.G.**, Itzkowitz, N. G., Piotrowski, E., Zadey, S., Whalen, A.M., Morrison, C., Rundle, A.G. Did Slowing Down Save Lives? Evaluating the Impact of New York City's Citywide E-Bike Speed Reduction Policy on Police-Reported Bicycle and E-Bike Crashes (In Preparation for American Journal of Public Health)
6. **Burford, K.G.**, Carl, A., Bishop, J.F., Hipp, J.A., Umstad, R., Rundle, A. G. Development and Reliability of the System for Observing Physical Activity and Social Engagement (SOPASSE): Application in School Streets. (In Preparation for Journal of Physical Activity and Health).

Invited Oral Presentations (first author only)

Burford, K.G., Han, J., Hipp, J.A. Development of a Scalable Method to Identify Privately-managed Parks and Playgrounds and Improve Park Access Equity. May

29, 2026. *The International Society of Behavioral Nutrition and Physical Activity (ISBNPA)*. May 29, 2026. Cádiz, Spain.

Burford, K.G., Han, J., Piotrowski, E., Hughey, M.S., Schipperijn, J., Crowley, S.K., Benton, J.S., Hipp, J. A. Why Context Matters When Evaluating the Impacts of Playground and Park Renovations on Park Use and Physical Activity. May 28, 2026. *The International Society of Behavioral Nutrition and Physical Activity (ISBNPA)*. Cádiz, Spain.

Burford K.G., Neckerman K. M., Quinn J. W., Bader M. D. M., Lovasi G. S., Mooney S. J., Itzkowitz N. G., Kinsey D., Rundle A. G. Where Do Older Pedestrians Experience a Risk of Being Killed in a Motor Vehicle Crash? April 12-15, 2026. *Society for Advancement of Violence and Injury Research*. Providence, RI, USA.

Burford, K., Lo, A., Quinn, J., Crowe, R., Just, A., Kondo, M., Beard, J., Rundle, A. The Effect of Tree Canopy Cover in Determining Where Pedestrian Falls Occur. April 6-9, 2025. *Society for Advancement of Violence and Injury Research*. New York, NY, USA.

Burford, K., Ganzar, L.A., Salvo, D., Spoon, C., Sallis, J., Hoelscher, D.M. Methods for developing and assessing reliability of a micro-scale, built environment audit tool for research and evaluation of active commuting to school. March 17, 2025. *Active Living Conference*. Manhattan, KS, USA.

Burford, K., Salvo, D., Kohl, H.W. III, Ganzar, L.A., Bauer, C.X., Resendiz, E., Zhang, Y., Hoelscher, D.M. Examination of Neighborhood and Perceived Traffic-Related Safety Factors Associated with Active Commuting to School in a Large Urban City. March 17, 2025. *Active Living Conference*. Manhattan, KS, USA.

Burford, K., Salvo, D., Kohl, H.W. III, Ganzar, L.A., Bauer, C.X., Hoelscher, D.M. Moderating Effects of Sociodemographic Context on Objective and Perceived Traffic-Related Safety and Active Commuting to School. November 16, 2024. *American Public Health Association*. Atlanta, GA, USA. (could not present due to illness).

Burford, K., Zhang, Y., Weng, O., Ganzar, L.A., Hoelscher, D.M., Salvo, D. Inequities in active travel infrastructure coverage across school neighborhoods in Central Texas. March 2023. *Active Living Conference*. Bethesda, MD, USA.

Burford, K., Ganzar, L.A., Salvo, D., Zhang, Y., Kohl, H.W., III, Hoelscher, D.M. Longitudinal changes in objectively-measured physical activity and sedentary time among school-age children in Central Texas, US during the COVID-19 pandemic. September 2022. *The Digital Physical Activity and Diet (dPAD) Collaborative*. Houston, TX, USA.

Burford, K., Zhang, Y., Bartholomew, J.B. Gender differences in enjoyment for types of physical activity in children. *International Society for Physical Activity and Health (ISPAH) Congress*. Online. October 2021.

Burford, K., Ganzar, LA., Lanza, K. Associations of Reported Crime and Children's Active Commuting to School: The Safe TRavel Environments Evaluation in Texas

Schools Study. *Active Living Conference*. A Virtual Learning and Engagement Event, United States. Online. April 2021.

Other Media Contributions

The following articles were associated with:

Burford, K.G., Itzkowitz, N.G., Rundle, A.G., DiMaggio, C., Mooney, S.J. The Burden of Injuries Associated With E-Bikes, Powered Scooters, Hoverboards, and Bicycles in the United States: 2019–2022. (2024). *American Journal of Public Health*, 114(2). DOI: [10.2105/AJPH.2024.307820](https://doi.org/10.2105/AJPH.2024.307820)

- KUOW NPR, (2026). [Seattle loves its scooters, just stay off the sidewalk please](#)
- StreetsBlog NYC. (2026). [That Widely Misrepresented E-Mobility Study Actually Reveals Need For Safer Streets, Not Hysteria](#)
- Boston Globe. (2024). [Bruises, broken bones, and concussions: Gen-Xers and young Boomers have the fastest growing rates of e-bike injuries.](#)
- Yahoo News. (2024). [E-bike and scooter injuries are up 293%.](#)
- U.S. News. (2024). [U.S. E-Bike and Scooter Injuries are Soaring.](#)
- Forbes. (2024). [E-Bike and E-Scooters Injuries Surged in Recent Years, New Study Shows.](#)
- 3eravoz. (2024). [Las lesiones por bicicletas eléctricas y scooters en EE.UU. están aumentando.](#)

Burford, K.G., Itzkowitz N.G., Ortega A.G., Teitler J.O., Rundle A.G. Use of Generative AI to Identify Helmet Status Among Patients With Micromobility-Related Injuries From Unstructured Clinical Notes. (2024). *JAMA Network Open*, 7(8). DOI: [10.1001/jamanetworkopen.2024.25981](https://doi.org/10.1001/jamanetworkopen.2024.25981)

- IT BREW. (2024). [For healthcare LLMs, ‘unhelmeted’ does not compute.](#)
- Politico. (2024). [The Lab.](#)

INVITED PRESENTATIONS

Oral Presentations

International

1. **Burford, K.** Reclaiming Streets for Students: The Open Streets for Schools Program. Department of Geography at the Universitat Autònoma de Barcelona. The Mobility, Transport and Territorial Studies Group (GEMOTT) Seminar. Barcelona, Spain. May 25, 2026.

National

1. **Burford, K.** The NYC Open Streets for Schools Program: Impacts on Child Health and Future Directions. NYU Collaborative Center in Children's Environmental Health Research and Translation (CEHRT). July 13, 2026

2. **Burford, K.** Reclaiming Streets for Students: The Open Streets for Schools Program. Portland State University Transportation Seminar. Portland, OR, USA. May 15, 2026. [Recording link](#).
3. **Burford, K.** Mind the Data Gap: How Crash Reporting Fails Bicyclists & Pedestrians. National Bike Summit. League of American Bicyclists. Washington, DC, USA. March 26, 2026.
4. **Burford, K.,** Data Challenges in Geospatial Measures of Parks and Ways Forward. Geospatial Forum. Department of Parks, Recreation, and Tourism Management. North Carolina State University. Raleigh, NC, USA. January 29, 2026. [Recording link](#).
5. **Burford, K.,** Hipp, A. State of the Science January 2026: Natural Experiments – Context, Emerging Methods, and Translation. Physical Activity Policy Research and Evaluation Network. January 28, 2026. [Recording link](#).
6. **Burford, K.** Epidemiology, Urban Health, and Injury Research. Guest Lecture for PRT 706: Quantitative Inquiry for Healthy People & Places. Department of Parks, Recreation, and Tourism Management. North Carolina State University. Raleigh, North Carolina. September 23, 2025.
7. **Burford, K.** Epidemiology and Urban Health Research. St. Edward's University. Austin, Texas. April 24, 2025.
8. **Burford, K.** Intro to Epidemiology and Application within Urban Health and Injury Research. Bryn Mawr College. Bryn Mawr, Pennsylvania. April 16, 2025.
9. **Burford, K.** Examining the “Unit of Analysis” in Physical Activity and Injury Research. Center for Transportation Research at the University of Texas at Austin. Austin, TX, USA. October 18, 2023.

Local

1. **Burford, K.** Comparing alcohol involvement among injured pedalcycle and motorcycle riders across three national public-use datasets. Seventh Annual Vision Zero Research on the Road Symposium. New York, NY, USA. November 13, 2024.