

CURRICULUM VITAE

Natalicio Hector Serrano, PhD, MPH.

Washington University in St. Louis
Bursky School of Public Health
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RESEARCH INTERESTS

- Healthy living promotion / Chronic disease prevention
- Place and Health
- Policy Implementation Science
- Systems Science Approaches
- Health Equity / Health Disparities
- Community engaged and participatory methods

EDUCATION

PhD in Public Health Sciences 2016 – 2021
Brown School, Washington University in St. Louis

MPH in Health Promotion & Behavioral Science 2014 – 2016
Graduate School of Public Health, San Diego State University

B.S in Health Science-Public Health 2010 – 2014
College of Health and Human Services, San Diego State University

Relevant Trainings and Certifications

Policy Implementation Science Training February 2025
Global Center for Implementation Science, New York University

Advancing Health Equity Through Implementation Science February 2024
Washington University in St. Louis

Health Disparities Research Certificate 2021 - 2022
School of Public Health, University of Illinois at Chicago

PROFESSIONAL EXPERIENCE

Assistant Professor (tenure-track), Bursky School of Public Health
Washington University in St. Louis
July 2026 –

Assistant Professor (tenure-track) of Health Behavior, Gillings School of Global Public Health
Faculty Fellow, Carolina Population Center
Research Fellow, Center for Health Promotion and Disease Prevention
Associate Member, Lineberger Comprehensive Cancer Center
University of North Carolina at Chapel Hill
July 2023 – June 2026

Postdoctoral Research Fellow, Institute for Health Research and Policy
University of Illinois at Chicago, School of Public Health
July 2021 – June 2023

Doctoral Research Assistant, Prevention Research Center in St. Louis
Washington University in St. Louis, Brown School
August 2016 – May 2021

Graduate/Undergraduate Research Assistant, Institute for Behavioral and Community Health
San Diego State University, School of Public Health
January 2012 – July 2016

HONORS & AWARDS

Selected Member, Society of Behavioral Medicine, Diversity Institute for Emerging Leaders
2022 – 2023

Equitable Development Ambassador, Elevated Chicago (equitable transit-oriented development)
Winter 2022

Selected Scholar, Health Disparities Research Institute, National Institute on Minority Health and Health
Disparities / National Institutes of Health
August 15 – 19, 2022

Postdoctoral Fellow Travel Award (\$500), University of Illinois Chicago
Fall 2021

Selected Scholar, Physical Activity and Public Health Research Course, University of South Carolina
September 2021

Inductee, Delta Omega Honorary Society in Public Health (WashU - Gamma Sigma Chapter)
May 2021

Student Oral Presentation Award – Public Health Education and Health Promotion Section
American Public Health Association Annual Meeting 2018

Selected Scholar, Exito! Latino Cancer Research Leadership Training Summer Institute
Institute for Health Promotion Research, UT-Health Science Center, San Antonio, TX
May 31, 2015 – June 5, 2015

Top Abstract Award – Diversity Section
The Obesity Society Annual Meeting 2015

Anderson Memorial Endowed Scholarship in Public Health (\$400), San Diego State University
Fall 2015

LT Florence B. Choe Memorial Endowed Scholarship (\$500), San Diego State University
Fall 2015

Conference Travel Award: 8th Annual National Conference on Health Disparities
November 2014

RESEARCH GRANTS & SUPPORT

*Indicates grant support in a primary role

Current Support

**A complex systems approach to explore the impacts of neighborhood development investment on cardiovascular disease*, Career Development Award, American Heart Association (ID: 26CDA1598972)

Role: PI

Total Funds: \$231,000

April 2026 – March 2029

**Exploring the barriers and biases of home mortgage qualification for more equitable access to affordable housing in the Habitat for Humanity network*, Gillings Pivot Grant

Role: Co-PI (w/ Molly DeMarco)

Total Funds: \$40,000

December 2025 – May 2026

Engaging school communities to prevent exemptions to kindergarten vaccine mandates, Prevention Research Centers Special Interest Project Centers for Disease Control and Prevention

Role: Co-Investigator; PI: Melissa Gilkey

October 2024 – September 2029

Physical Activity Policy Research and Evaluation Network (PAPREN), Prevention Research Centers Special Interest Project Centers for Disease Control and Prevention

Role: Subject Lead / Consultant; Co-PIs: Christiaan Abildso, Jamie Chriqui & Stephenie Lemon

October 2024 – September 2029

**A complex systems approach to understand the impacts of neighborhood development on physical activity in Latine and Black communities*, Health Equity Scholars for Action program, Robert Wood Johnson Foundation (ID: 81521)

Role: Principal Investigator

Total Funds: \$260,000

February 2024 – January 2026 (no cost extension through August 2026)

Completed Support

Centering equity in FDA regulation: Front-of-package food label effects in Latino and limited English proficiency populations, Healthy Eating Research Commissioned Project

Role: Co-Investigator; Co-PIs: Marissa Hall & Anna Grummon

February 2024 – August 2025

**Cancer Education and Career Development Program*, Postdoctoral Traineeship, NIH National Cancer Institute (NCI), (T32CA057699)

Role: T32 Postdoctoral Fellow; Co-PIs: Marian Fitzgibbon & Caryn Peterson

July 2021 – July 2023

Physical Activity Policy Research and Evaluation Network (PAPREN) Applied Evaluation Project and “Anti-displacement” Project, Centers for Disease Control and Prevention, (U48DP006381)

Role: Work-group Fellow and Project Lead; Co-PIs: Jamie Chriqui & Stephenie Lemon

October 2020 – September 2024

Heartland Moves: Promoting Physical Activity in Rural Communities, R01 Research Grant, NIH National Cancer Institute (NCI), (5R01CA211323)

Role: Accelerometry and GPS data management; PI: Ross C. Brownson
January 2018 – May 2024

**Transdisciplinary Training in Obesity and Cardiovascular Disease*, Predoctoral Traineeship, NIH National Heart, Lung, and Blood Institute (NHLBI), (T32HL130357)
Role: T32 Predoctoral Fellow; PI: Denise Wilfley
June 2017 – May 2020

Evaluation of sports participation fee policies in high school athletics, Policies for Action Children's Healthy Weight Hub, Robert Wood Johnson Foundation (RWJF), (Grant#73758)
Role: Qualitative research analyst; Co-PIs: Amy Eyler & Jamie Chiqui
October 2016 – January 2018

**Evaluation of Evidence-Based Public Health: A course in noncommunicable disease prevention*, National Association of Chronic Disease Directors (NACDD), (Grant #0672018)
Role: Student Co-PI; Faculty PI: Ross C. Brownson

** Using GPS to Assess Transportation-related Physical Activity among Latina adults*, Research Supplement to Promote Diversity in Health-Related Research, NIH National Cancer Institute (NCI), (R01CA138894-05S2)
Role: Student PI; Parent Study PI: Elva M. Arredondo
Total Funds: \$72,972
September 2013 - December 2015

Fe en Acción (Faith in Action): promoting physical activity among churchgoing Latinas, R01 Research Grant, NIH National Cancer Institute (NCI), (R01CA138894-01)
Role: Accelerometry and GPS Data Analyst; PI: Elva M. Arredondo
March 2012 – July 2016

Pending

Application of policy implementation science to understand enforcement of alcohol control policies, R21 Research Grant, National Institute on Alcohol Abuse and Alcoholism
Role: Co-Investigator; PI: Melissa Cox [
*Submitted February 2025 – Score of 26, resubmitted October 2025

PEER-REVIEWED PUBLICATIONS

- 1) Carlson JA, Moon M, Steel C, Bai Y, Dodson EA, Dooley EE, Forseth B, Fox AT, Greenberg JD, Grimes A, Hasson RE, Hibbing PR, Jiang Q, Pate RR, **Serrano NH**, Spring KE, Stanish HI, Webber-Ritchey KJ, Staiano AE. Results From the 2024 United States Report Card on Physical Activity for Children and Youth. *J Phys Act Health*. 2025 Dec 5:1-8. doi: 10.1123/jpah.2024-0872. Epub ahead of print. PMID: 41352335.
- 2) Hall MG, Lee CJY, Campos AD, **Serrano N**, Taillie LS, Falbe J, Musicus A, Whitesell C, Martinez AV, Grummon AH. An RCT of front-of-package nutrition labels in Latino populations in the US. *Am J Prev Med*. 2025 Sep 20:108122. doi: 10.1016/j.amepre.2025.108122. Epub ahead of print. PMID: 40983259.
- 3) Beck AM, **Serrano N**, Duncan D, Eyler AA, Gilbert A, Naghiloo F, Reis R, Tabak RG, Brownson RC. Cluster randomized multilevel intervention for promoting physical activity in rural communities. *Front Public Health*. 2025 Aug 29;13:1577056. doi: 10.3389/fpubh.2025.1577056. PMID: 40951381; PMCID: PMC12426105.

- 4) **Serrano N**, Leider J, Chiqui JF. Pedestrian-oriented zoning moderates the relationship between racialized economic segregation and active travel to work, United States. *Prev Med.* 2023 Dec;177:107788. doi: 10.1016/j.ypmed.2023.107788.
- 5) Ramírez Varela A, **Serrano N**, Mejía Grueso J, Nguyen A, Salvo D, Brownson RC, Bauman A, Reis R, Hallal P, Pratt M. Shaping Policy and Practice: Analyzing the Reach of Highly Cited and High Altmetrics Publications for Broader Impact on Physical Activity. *J Phys Act Health.* 2023 Oct 4;20(12):1092-1101. doi: 10.1123/jpah.2023-0185.
- 6) **Serrano N**, Schmidt L, Eyler AA, Brownson RC. Perspectives From Public Health Practitioners and Advocates on Community Development for Active Living: What are the Lasting Impacts? *American Journal of Health Promotion.* 2023;0(0). doi:10.1177/08901171231198403
- 7) **Serrano N**, Realmuto L, Graff K, Hirsch J, Andress L, Sami M, Rose K, Smith A, Irani K, McMahon J, Devlin H. Healthy community design, displacement, and equity strategies in the US: a scoping review. *Journal of Urban Health.* 100, 151–180 (2023). <https://doi.org/10.1007/s11524-022-00698-4>
- 8) Beck A, **Serrano N**, Toler A, Brownson R. Multilevel correlates of domain-specific physical activity among rural adults – a cross-sectional study. *BMC Public Health.* 2022;22(1):2150. doi:10.1186/s12889-022-14634-3.
- 9) **Serrano N**, Beck A, Salvo D, Eyler A, Reis R, Steensma J, Gilbert A, Brownson R. Examining the associations of and interactions between intrapersonal and perceived environmental factors with objectively assessed physical activity among rural Midwestern adults, USA. *American Journal of Health Promotion.* 2022;0(0). doi:10.1177/08901171221134797
- 10) Dsouza N, **Serrano N**, Watson K, McMahon J, Devlin H, Lemon SC, Eyler AA, Gustat J, Hirsch JA. Exploring residents’ perceptions of neighborhood development and revitalization for active living opportunities. *Preventing Chronic Disease.* 2022; 19:E56. Published 2022 Sep 1. doi:10.5888/pcd19.220033
- 11) Arredondo EM, Haughton J, Ayala GX, Slymen DJ, Sallis JF, Perez LG, **Serrano N**, Ryan S, Valdivia R, Lopez N, Elder JP. Two-year outcomes of Faith in Action/Fe en Acción: A randomized controlled trial of physical activity promotion in Latinas. *International Journal of Behavioral Nutrition and Physical Activity.* 2022; 19,97. <https://doi.org/10.1186/s12966-022-01329-6>
- 12) Gilbert A, Beck A, **Serrano N**, Brownson RC. Objective measures of physical activity in rural communities: factors associated with valid wear time and lessons learned. *Journal of Physical Activity and Health.* 2022;1-8. doi:10.1123/jpah.2021-0677
- 13) Sarmiento OL, Rubio MA, King AC, **Serrano N**, Hino AA, Hunter RF, Aguilar-Farias N, Parra DC, Salvo D, Jáuregui A, Lee RE, Kohl HW. Built environment in programs to promote physical activity among Latino children and youth living in the U.S. and in Latin America. *Obesity Reviews.* 2021, 22 (Suppl 3): e13236.
- 14) Sarmiento OL, Rubio MA, King AC, **Serrano N**, Hino AAF, Hunter RF, Aguilar-Farias N, Parra DC, Salvo D, Jáuregui A, Lee RE, Kohl B. [El entorno construido en los programas diseñados para promover la actividad física entre las niñas, niños y jóvenes latinos que viven en Estados Unidos y América Latina]. *Obes Rev.* 2021 Oct;22 Suppl 5:e13345. Spanish. doi: 10.1111/obr.13345.
- 15) **Serrano N**, Diem G, Grabauskas V, Shatchkute A, Stachenko S, Deshpande A, Gillespie KN, Baker EA, Vartinen E, Brownson RC. Building the capacity-examining the impact of evidence-based public health trainings in Europe: a mixed methods approach. *Global Health Promotion.* 2020. <https://doi.org/10.1177/1757975918811102>
- 16) Beck AM, Eyler AA, Hipp JA, King AC, Tabak RG, Yan Y, Reis RS, Duncan DD, Gilbert AS, **Serrano NH**, Brownson, RC. A multilevel approach for promoting physical activity in rural communities: A cluster randomized controlled trial. *BMC Public Health.* 2019, 19(126). <https://doi.org/10.1186/s12889-019-6443-8>
- 17) Eyler AA, Valko C, **Serrano N**. Perspectives on High School “Pay to Play” Sports Fee Policies: A Qualitative Study. *Translational Journal of the American College of Sports Medicine.* 2018,1;3(19):152-7.

- 18) Eyler AA, Piekarz-Porter E, **Serrano NH**. Pay to Play? State Laws Related to High School Sports Participation Fees. *Journal of public health management and practice: JPHMP*. 2018, 25(3):E27-E35. <https://doi.org/10.1097/PHH.0000000000000813>.
- 19) **Serrano N**, Perez LG, Carlson J, Patrick K, Kerr J, Holub C, Arredondo EM. Sub-population differences in the relationship between the neighborhood environment and Latinas' daily walking and vehicle time. *Journal of Transport & Health*. 2018, 8, 210–219. <https://doi.org/10.1016/J.JTH.2018.01.006>
- 20) JF, Perez LG, **Serrano N**, Parra MT, Valdivia R, Ayala GX. Fe En Acción: Promoting Physical Activity among Churchgoing Latinas. *American Journal of Public Health*. 2017,107 (7). <https://doi.org/10.2105/AJPH.2017.303785>

Under review

- 1) Lee E-Y, Lee H, Aubert S, Ortiz Brunel J, Berger N, Molina-Cando M, Carlson JA, Dalgas BW, Bizzozero-Peroni B, Marot N, Silva DAS, **Serrano N**, Subedi N, Sumaylo DJF, Tremblay MS. Towards sustainable active environments for children and adolescents: Global Matrix 5.0 findings on the Community and Environment indicator. [*Journal of Physical Activity and Health*]
- 2) O'Connor A, Bosch R, Bagans C, Ritchie C, Langellier B, DeMarco M, Valera E, **Serrano N**. A participatory system dynamics approach examining neighborhood development and active living disparities in Durham, North Carolina: Study procedures and lessons learned. [*Community Health Equity Research & Policy*]
- 3) Halvorson-Fried S, Jensen T, **Serrano N**, Hall M, Smith Tallie L, Ribisl K. Associations Between Gentrification and Cardiometabolic Risk Factors Among Young Adult Original Residents in the United States. [*Social Science and Medicine*]
- 4) Halvorson-Fried S, **Serrano N**, Jensen T, Hall M, Smith Tallie L, Ribisl K. Longitudinal Associations between Gentrification and Food Environments of Original Residents in the United States. [*Health and Place*]
- 5) O'Connor A, **Serrano N**, Patel M, Wallace D. Behavioral risk profiles associated with stress and psychological distress among U.S. Latines with prediabetes: A latent profile analysis. [*Preventive Medicine Reports*]
- 6) Rivadeneira N, Green Howard A, Maselko J, **Serrano N**, Slaughter-Acey J, Bey G. Birth cohort trends in activity limitation among U.S. adults in established adulthood: an intersectional approach to examine the effects of persistent inequality on health. [*Social Science and Medicine*]

In Preparation

- 1) **Serrano N**, O'Connor A, Bosch R, Bagans C, Ritchie C, Langellier B, DeMarco M, Valera E. Economic opportunity, neighborhood change, and active living: Community-generated results from a participatory system dynamics study in Durham, NC. [*abstract accepted for "Ways of Knowing" special issue of the American Journal of Public Health*]
- 2) **Serrano N**, Leider J, O'Connor A, Alamilla R, Realmuto L, Hirsch J, McGinn M, Chiqui J. Is zoning policy in favor of walkable neighborhoods: The current state of pedestrian and connectivity-oriented zoning provisions in the United States. [preparing submission to *Landscape and Urban Planning*]
- 3) **Serrano N**, O'Connor A, Bagans C. Federal neighborhood development investment and changes in active travel behaviors by racialized economic segregation in the United States. [Finalizing results tables]
- 4) **Serrano N**, O'Connor A, Reis R, Eyler A, Brownson R. State of the science on community development, the neighborhood environment, and physical activity. [Finalizing manuscript]
- 5) Chiqui JF, Leider J, **Serrano N**. Regardless of how you measure it, there is evidence of structural racism in pedestrian-oriented zoning in the U.S. [Finalizing submission to *Preventive Medicine*]

BOOKS & CHAPTERS

- 1) **Serrano N**, Moreland-Russell S. Public Health Policy. In: Beck A, Gray M (Eds.). *Discovering Public Health: A Guide to the Field*. Champaign: Human Kinetics. [in preparation]

PRESENTATIONS & DISSEMINATION PRODUCTS

Research Briefs and Reports

- 1) Bai Y, Dodson E, Dooley E, Forseth B, Greenberg J, Grimes A, Hasson R, Hibbing P, Pate R, **Serrano N**, Staiano A, Stanish H, Webber-Ritchey K, Jiang Q, Spring K, Fox A, Moon M, Steel C, Carlson J. The 2024 United States Report Card on Physical Activity for Children and Youth. *Physical Activity Alliance* (2024). <https://paamovewithus.org/resource/full-report-2024-us-report-card-on-physical-activity-for-children-and-youth/>
- 2) **Serrano N**, Leider J, Chiqui J. Research Brief: Pedestrian-oriented zoning may help facilitate active travel to work in racially and economically segregated municipalities. *Physical Activity Policy Research and Evaluation Network* (2024). https://www.papren.org/wp-content/uploads/2024/01/PAPRENZoningICEAT_Brief_12.20.23.pdf
- 3) **Serrano N**, Realmuto L, Graff K, Hirsch J, Andress L, Sami M, Rose K, Smith A, Irani K, McMahon J, Devlin H. Research Brief: Anti-displacement strategies for healthy and equitable community design. *Physical Activity Policy Research and Evaluation Network*. (2023). https://www.papren.org/wp-content/uploads/2023/03/PAPREN_Equity_Antidisplacement_Brief_3-10-2023-1.pdf
- 4) Dsouza N, **Serrano N**, Watson K, McMahon J, Devlin H, Lemon SC, Eyler AA, Gustat J, Hirsch JA. Research Brief: Residents' perceptions of neighborhood development for active living opportunities. *Physical Activity Policy Research and Evaluation Network*. (2023). https://www.papren.org/wp-content/uploads/2023/04/PAPREN_Equity_HealthStyles_Brief_3.10.23.pdf

Scientific Oral Presentations

- 1) **Serrano N**, O'Connor A, Bagans C, Bosch R, Ritchie C. Participatory systems thinking to elucidate drivers of active living disparities in Durham, NC. *International Society for Physical Activity and Health Bi-Annual Congress* (2026, October)
- 2) Halvorson-Fried SM, Reimold AE, **Serrano NH**, Hall MG. Food environments surrounding low-income housing communities in North Carolina: alignment with existing policy and basis for intervention. Accepted for oral presentation at: 47th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine. (2026, April)
- 3) **Serrano N**, O'Connor A, Bagans C, Bosch R, Ritchie C. Participatory systems thinking to elucidate drivers of neighborhood development and active living disparities in Durham, NC. *Active Living and Outdoor Health Summit*. (2026, March)
- 4) Carlson JA, Staiano A, Bai Y, Dodson E, Dooley E, Forseth B, Greenberg J, Grimes A, Hasson R, Hibbing P, Pate R, **Serrano N**, Stanish H, Webber-Ritchey K, Jiang Q, Spring K, Fox A, Moon M, & Steel C (2025). The 2024 US Report Card on Physical Activity for Children and Youth: Implications for Active Living. *Active Living Conference*. (2025, March)
- 5) Webber-Ritchey K, Bai Y, Dodson E, Dooley E, Forseth B, Greenberg J, Grimes A, Hasson R, Hibbing P, Pate R, **Serrano N**, Staiano A, Stanish H, Jiang Q, Spring K, Fox A, Moon M, Steel C, Carlson J. Grades and trends from the 2024 United States Report Card on Physical Activity for Children and Youth. *American Heart Association Scientific Session*. (2024, November)
- 6) Halvorson-Fried SM, **Serrano NH**, Jensen TM, Taillie LS, Hall MG, & Ribisl KM. Food access and chronic disease risk among original residents of gentrifying neighborhoods in the United States. *Add Health Users Conference*. (2024, June)
- 7) Catalan V, Khan N, **Serrano N**. State of the science - community development as an equitable strategy for physical activity and healthy eating promotion. *Active Living Conference*. (2024, March)

- 8) Chriqui JF, Leider J, Realmuto L, **Serrano N**, Valentine Goins K, Lemon S. Historical redlining confounds the relationship between activity-oriented zoning and physical activity outcomes. *Active Living Conference*. (2024, March)
- 9) Chriqui JF, Leider J, Realmuto L, **Serrano N**, Valentine Goins K, Lemon S. The moderating influence of racialized economic segregation on the relationship between activity-oriented zoning, walkability and park access, and PA outcomes. *Active Living Conference*. (2024, March)
- 10) **Serrano N**, Leider J, Chriqui JF. Pedestrian-oriented zoning, racialized economic segregation, and active travel to work, United States. *Active Living Conference*. (2023, March)
- 11) **Serrano N**, Ramirez-Varela A. Comparing the policy and practice impacts of highly cited and high Altmetric publications in physical activity research. *To be presented at the International Society for Behavioral Nutrition and Physical Activity Annual Meeting*. (2022, May) *withdrawn due to injury
- 12) **Serrano N**, Beck A, Toler A, Brownson RC. Individual and environmental correlates of domain-specific moderate to vigorous physical activity levels in rural residents. *American Public Health Association Annual Meeting*. (2021, October)
- 13) Gilbert A, Beck A, **Serrano N**, Duncan D, Naghiloo F, Brownson RC. Lessons Learned: Accelerometer and GPS data collection in rural communities. *8th International Society for Physical Activity and Health Congress*. (2021, October)
- 14) **Serrano N**, Realmuto L, Graff K, Hirsch JA, Andress L, Sami M, Devlin H. Anti-displacement strategies for healthy and equitable community design: a scoping review. *Active Living Conference*. (2021, April)
- 15) Dsouza N, **Serrano N**, Watson K, McMahon J, Devlin H, Lemon SC, Eyler AA, Gustat J, Hirsch JA. Exploring residents' perceptions of neighborhood development and revitalization for active living opportunities. *Active Living Conference*. (2021, April)
- 16) Toler A, **Serrano N**, Beck A, Brownson RC. Individual and environmental level correlates of meeting physical activity guidelines in rural residents. *Active Living Conference*. (2021, April)
- 17) Beck A, **Serrano N**, Duncan D, Gilbert A, Brownson R. Environmental and sociodemographic correlates of meeting physical activity guidelines in rural residents. *American Public Health Association Annual Meeting*. (2020, November)
- 18) **Serrano N**, Ramirez-Varela A. Comparing the impact of highly cited and high altmetric publications on physical activity policy and practice. *Withdrawn from 1st Latin American Congress of Physical Activity and Health Research*.
- 19) **Serrano N**, Diem G, Grabauskas V, Shatchkute A, Stachenko S, Deshpande A, Gillespie KN, Baker EA, Vartinen E, Brownson RC. Building the capacity-examining the impact of evidence-based public health trainings in Europe: a mixed methods approach. *American Public Health Association Annual Meeting*. (2018, November). **[Student Oral Presentation Award for PHEHP Section 2018]**
- 20) Pitzer K, Foell A, **Serrano N**. Community Development Block Grants: Exploring Organization and Neighborhood Networks. *Annual Conference of the Society for Social Work and Research*. (2018, January).
- 21) Eyler AA, **Serrano N**, Byttner J, Valko C. Perceptions of pay to play policies on high school sports participation: a qualitative study. *American Public Health Association Annual Meeting*. (2017, November).
- 22) Piekarz-Porter E, Eyler AA, **Serrano N**, Byttner J. Trends in state legislation related to pay to play policies. *American Public Health Association Annual Meeting*. (2017, November).
- 23) Arredondo EM, Elder J, Haughton J, Slymen D, Sallis JF, Perez LG, **Serrano N**, Parra MT, Ayala G, Valdivia R. Faith in Action/Fe en Accion: findings from a randomized controlled trial promoting physical activity among Latinas. *Annual Meeting of the Society of Behavioral Medicine*. (2016, April).
- 24) **Serrano N**, Perez LG, Carlson J, Haughton J, Patrick K, Arredondo EM. Socio-demographic correlates of global positioning system (GPS) derived travel behaviors among churchgoing Latinas. *Annual Active Living Research Conference*. (2015, February).

Scientific Poster Presentations

- 1) O'Connor A, Bagans C, Bosch R, Ritchie C, **Serrano N**. A participatory systems approach to understanding the health effects of neighborhood development in Durham, NC. *Interdisciplinary Association for Population Health Science (IAPHS) Annual Meeting*. (2025, September)
- 2) **Serrano N**, Bai Y, Dodson E, Dooley E, Forseth B, Greenberg J, Grimes A, Hasson R, Hibbing P, Pate R, Staiano A, Stanish H, Webber-Ritchey K, Jiang Q, Spring K, Fox A, Moon M, Steel C, Carlson J. Community and Built Environment Implications: 2024 U.S. Physical Activity Report Card for Children and Youth. *International Society for Physical Activity and Health Bi-Annual Congress*. (2024, October)
- 3) **Serrano N**, Eyler A. Perspectives on community development for active living: what are the lasting impacts?. *Annual Meeting of the Society of Behavioral Medicine*. (2022, April)
- 4) **Serrano N**, Beck A, Brownson RC. Individual and environmental correlates of objectively assessed physical activity levels in rural adults. *American Heart Association EPI | Lifestyle Scientific Sessions*. (March, 2022)
- 5) **Serrano N**, Reis R. Community development strategies influencing the built environment to promote public health. *Annual Active Living Conference*. (2020, February)
- 6) Eyler A, Valko C, Ramadas R, Curoe K, **Serrano N**. Evening the playing field: The use of waivers within high school sports participation fee policies. *Annual Active Living Conference*. (2019, February)
- 7) Eyler A, Valko C, Ramadas R, Curoe K, **Serrano N**. Sports participation fees high schools: A national survey of athletic directors. *Annual Active Living Conference*. (2019, February)
- 8) **Serrano N**, Hayes J, Saelens B, Stein R, Wilfley D. Sociodemographic differences in the relationship between the neighborhood environment and obesity-related behaviors. *Annual Meeting of the Society of Behavioral Medicine*. (2018, April)
- 9) Valko C, Eyler AA, **Serrano N**. Pay-to-Play: A mixed-method study of the implementation of sports participation fee policies in the U.S. *Annual Active Living Research Conference*. (2018, February)
- 10) **Serrano N**, Diem G, Grabauskas V, Shatchkute A, Stachenko S, Deshpande A, Gillespie KN, Baker E, Vartiainen E, Brownson RC. Examining the impact of evidence-based public health trainings in Europe: a mixed methods approach. *WUSTL Institute for Public Health Annual Conference*. (2017, September)
- 11) **Serrano N**, Perez LG, Carlson J, Patrick K, Haughton J, Arredondo EM. Does the relationship between the perceived neighborhood environment and travel patterns vary across individual characteristics? *The Obesity Society Annual Meeting*. (2015, November). [**honored as a top abstract in the diversity section**]
- 12) **Serrano N**, Perez LG, Lopez N, Haughton J, Arredondo EM. The effect of employment on the relationship between acculturation and percent sedentary time among church-going Latina women. *Annual National Conference on Health Disparities*. (2014, November).
- 13) **Serrano N**, Holub C, Chanson D, Burke K, Ayala GX, Elder JP, Arredondo EM. Perceived environment, safety and the relationship between walking around a neighborhood and physical activity among churchgoing Latinas. *Annual Meeting of the Society of Behavioral Medicine*. (2013, April).
- 14) **Serrano N**, Holub C, Chanson D, Elder JP, Arredondo EM. Perceived environment and physical activity among churchgoing Latinas. *Annual San Diego State University Student Research Symposium*. (2013, April).

Invited Presentations

- 1) “*Neighborhood development and zoning implications for place and health*”, Health Behavior Lunch and Learn series (2025, March)
- 2) “*Towards more equitable and sustainable active living opportunities*”, Social Psychology Organizational Research Group (ORG) Seminar Series (2025, February)

- 3) *“Equitable and sustainable opportunities for active living: exploring the impacts of neighborhood development and zoning strategies”*, Carolina Population Center Interdisciplinary Research Seminar Series (2024, February)
- 4) *“Utilizing zoning data to address health inequities: Pedestrian-oriented zoning, racialized economic segregation, and active travel to work”*, UNC Places, Environments, and Health Symposium (2023, September)
- 5) *“Pedestrian-oriented zoning, racialized economic segregation, and active travel to work, United States.”*, Physical Activity Policy Research and Evaluation Network Equity and Inclusion Work Group Meeting (2023, May)
- 6) *“Healthy community design, displacement, and equity strategies in the US: a scoping review”*, Physical Activity Policy Research and Evaluation Network Grand Rounds Emerging Leaders Showcase (2022, April)
- 7) *“Ensuring active living opportunities for all: what can we do about displacement”*, Physical Activity Policy Research and Evaluation Network Equity and Resilience Work Group Meeting (2021, September)
- 8) *Panelist for “Student and early career development”*, Active Living Conference (2021, April)

TEACHING & MENTORING

Teaching

University of North Carolina at Chapel Hill – Gillings School of Global Public Health

Course – Instructor

HBEH 730: Theoretical Foundations of Behavioral and Social Science

Fall 2024/2025

Guest Lecture

“Zoning code reform, active living, and health equity”, Intro to Legal Epidemiology

Spring 2025

Washington University in St. Louis – Brown School (MPH Program)

Course-Instructor

Research Methods in Public Health

Fall 2019

Course-Teaching Assistant

Translating Epidemiology into Policy

Fall 2017/2020

Instructor: Ross Brownson, PhD

Epidemiology Methods

Spring 2019/2020

Instructor: Deborah Salvo-Dominguez, PhD

Built Environment and Public Health

Spring 2019

Instructor: Rodrigo Reis, PhD

Obesity Prevention and Public Health Policy

Fall 2018

Instructor: Debra Haire-Joshu, PhD

Applied Linear Modeling

Spring 2018

Instructor: Joseph Steensma, EdD

Climate Change and Public Health

Fall 2017/2018

Instructors: Joseph Steensma, EdD., Rodrigo Reis, PhD

Mentoring

Students are from the Department of Health Behavior at UNC, unless otherwise noted.

Doctoral Students

- Kristin Goddard, mentoring committee, (2025)
- Kasey Clayton-Stiglbauer, mentoring committee, (2025)
- Áine O'Connor, primary advisor / dissertation committee member, (2024 – present)
- Natalie Rivadeneira, dissertation committee member, (2024 – 2026) *Epidemiology
- James Marriott, mentoring committee (2024 – 2025) *Nutrition
- Maleka Walker, dissertation committee member, (2024 – present)
- Sarah Halvorson-Fried, dissertation committee member, (2023 – 2025)

MPH/PhD Teaching Assistants

- Mannat Malik (2025)
- Erika Akers (2024)

MPH Student Research/Graduate Assistants

- Courtney Bagans (2025 – present) *Environmental Sciences and Engineering
- Nashmia Khan (2023 – 2024)
- Victor Catalan (2023 – 2024)

MPH Faculty Mentor

- Anna-Julia Kutsch, Siyu Liu, Fadhina Petit-Clair, Arsema Temesgen, Katherine Zarate (2025 – 2026)
- Imani Campbell-Dunn, Gabriella Sandor, Tuong Nguyen (2023 – 2025)

MPH Capstone/Thesis Advisor

- Imani Campbell-Dunn, Thesis: “Chronic Kidney Disease among rural Black men”, (2025)
- Jaschia Hall, Stassi Kioussis, Blaire Mirmow, Haylee Osgood, Community Partner: Lineberger Comprehensive Cancer Center, (2024 – 2025)

PROFESSIONAL MEMBERSHIPS

- Physical Activity Policy Research and Evaluation Network (PAPREN)
- Physical Activity Alliance (PAA)
- American Heart Association (AHA)
- International Society of Physical Activity and Health (ISPAH)
- International Society for Behavioral Nutrition and Physical Activity (ISBNPA)
- American Public Health Association (APHA)
- Society of Behavioral Medicine (SBM)

PROFESSIONAL SERVICE

Committees

National

- Committee Member – Transportation, Land Use, & Community Design Sector, National Physical Activity Plan, PAA (2025 – 2028)

- Subject Lead – Land Use, Urban Hub, PAPREN (2024 – 2029)
- Chair – Community and Built Environment Section, 2024 & 2026 Youth Physical Activity Report Card, PAA (2023 – 2026)
- Fellow, Equity and Resilience Work Group, PAPREN (2020 – 2021)
- Executive Program Committee, Active Living Conference (2020 – 2024)

University of North Carolina at Chapel Hill

- Health Behavior Equity Task Force 2025 – 2026
- Health Behavior MPH Admissions Committee 2024 – 2025
- Carolina Covenant Mentor 2024 – 2026

Washington University in St. Louis

- Member, Prevention Research Center Committee on Equity, Diversity, Inclusion 2020 – 2021
- Member, Working Group (Built Environment), St. Louis Partnership 2018 – 2021
- Co-Chair/Member, PhD Professional Development Seminar Committee 2017 – 2020

Editorial Board

- Journal of Physical Activity and Health 2026 – present
- Translational Behavioral Medicine 2022 – present

Conference Abstract Reviewer

- American Public Health Association – Physical Activity Section 2019, 2021 – 2022
- Active Living Conference 2021, 2023 – 2024
- Latin American Congress of Physical Activity and Health Research 2020

Ad hoc Journal Reviewer

- Community Health Equity Research & Policy
- Journal of Healthy Eating and Active Living
- Journal of Public Health Management and Practice
- Journal of Urban Health
- Journal of Physical Activity and Health
- Journal of Immigrant and Minority Health
- Sport in Science
- Health Education & Behavior
- Family & Community Health