

# NATALIE COLABIANCHI, PH.D.

Curriculum Vitae  
February, 2023

Professor  
School of Kinesiology  
Research Professor  
Institute for Social Research  
University of Michigan

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## EDUCATION

PhD                    Epidemiology, 2002  
                          Case Western Reserve University, Cleveland, OH

Dissertation  
Fellowship            Social Science Research Council at the Ford Foundation, 2001–2002

MA                    Master of Arts Program in the Social Sciences, 1998  
                          University of Chicago, Chicago, IL

BA                    Psychology, *Summa Cum Laude*, 1994  
                          Baldwin Wallace College, Berea, OH

## ACADEMIC POSITIONS

September 2022 – Present            **Research Professor**, Survey Research Center,  
  Institute for Social Research, University of Michigan

September 2021 – Present            **Professor**, Applied Exercise Science, School of Kinesiology,  
  University of Michigan

September 2018 – June 2021        **Chair**, Applied Exercise Science, School of Kinesiology,  
  University of Michigan

September 2017 – Present            **Research Associate Professor**, Survey Research Center,  
  Institute for Social Research, University of Michigan

September 2015 – August 2021      **Associate Professor**, Applied Exercise Science (formerly Health  
  and Fitness), School of Kinesiology, University of Michigan

July 2011 – August 2017            **Research Assistant Professor**, Survey Research Center,  
  Institute for Social Research, University of Michigan

March 2006 – July 2011	<b>Assistant Professor</b> , Department of Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina
July 2002 – February 2006	<b>Assistant Professor</b> , Department of Epidemiology and Biostatistics, School of Medicine, Case Western Reserve University

## PROFESSIONAL SERVICE

### *International Service*

2022	Invited Grant Reviewer, Social Sciences and Humanities Research Council of Canada
2020	Invited Grant Reviewer, Dutch Research Council (NWO), The Netherlands
2010	Grant Reviewer, Wellcome Trust
2008 – 2010	Planning Committee, International Society of Physical Activity and Health
2003 – 2007	Chair, Early Investigators Network, International Society of Behavioral Nutrition and Physical Activity
2004	Chair, Paper Session, International Society of Behavioral Nutrition and Physical Activity Conference, Washington, DC

### *National Service*

2022	NIH Temporary Grant Reviewer, Time-Sensitive Obesity Policy and Program Evaluation Study Section, Center for Scientific Review
2018 – 2020	Strategic Health Initiative on Health Equity, American College of Sports Medicine
2020	NIH Temporary Grant Reviewer, Time-Sensitive Obesity Policy and Program Evaluation Study Section, Center for Scientific Review
2018, 2019	NIH Temporary Grant Reviewer, Community Influences on Health Behavior, Center for Scientific Review
2017 – 2019	Annual Meeting Planning Committee, Physical Activity Special Interest Group, Society of Behavioral Medicine
2017	Member, Physical Activity in Health Innovation Collaborative, National Academies of Science, Engineering and Medicine, Actions to Improve Physical Activity Surveillance in the U.S.
2016 – 2017	NIH Temporary Grant Reviewer, Time-Sensitive Obesity Policy and Program Evaluation Study Section, Center for Scientific Review
2015	NIH Temporary Grant Reviewer, Health Disparities and Equity Promotion Study Section, Center for Scientific Review
2014	NIH Temporary Grant Reviewer, Healthcare Delivery and Methodology (HDMV 03) Special Emphasis Panel, Center for Scientific Review
2013	NIH Temporary Grant Reviewer, Risk, Prevention, and Health Behavior Special Emphasis Panel (ZRG1 RPHB-N(03)), Center for Scientific Review
2013	NIH Temporary Grant Reviewer, Brain Disorders and Clinical Neuroscience P50 Special Emphasis Panel (ZRG1 BDCN-A(40)), Center for Scientific Review

2010 – 2013	Chair, Environmental and Contextual Factors in Health and Behavior Change, Society of Behavioral Medicine
2009 – 2010	Policy Brief Reviewer, Robert Wood Johnson Foundation
2005 – 2010	Grant Reviewer, Robert Wood Johnson Foundation, Active Living Research
2003 – 2010	Editorial Board, Journal of Immigrant Health
2009	Co-Chair, Environmental and Contextual Factors in Health and Behavior Change, Society of Behavioral Medicine
2008	Expert Panelist, ACSM American Fitness Index™
2007 – 2008	Conference Planning Committee, Active Living Grantees Meeting
2007	NIH Grant Reviewer, Bioengineering Approaches to Energy Balance and Obesity

***University of Michigan: University Service***

2019 – 2022	Research Advisory Committee, Member
2020 – 2021	Research Policies Committee, Chair
2016 – Present	Exercise and Sport Science Initiative, Scientific Advisory Board Member
2015 – 2020	Advisory Committee on Recreational Sports, Member

***University of Michigan: Institute for Social Research, Survey Research Center Service***

2013 – 2015	Director's Advisory Committee on Diversity, Member
2011 – 2014	Regula Herzog Young Investigators Fund, Committee Member
2012 – 2013	Faculty Research Fellow Review Committee, Member

***University of Michigan: School of Kinesiology Service***

2022 – Present	AES Chair and Faculty Search Committee, Member
2020 – 2022	Global Sports Venue Search Committee, Member
2020 – 2021	Restructure Committee, Member
2019 – 2021	Exercise and Oncology Search Committee, Member
2018 – 2021	Curriculum and Instruction Committee, Member
2017 – 2021	Executive Committee, Member
2018 – 2020	Tenure and Promotion Revision Committee, Member
2018 – 2020	Clinical Track Promotion Revision Committee, Member
2018	Points System/Teaching Load Committee, Member
2017 – 2018	Interprofessional Leadership Fellows, Fellow
2016 – 2017	Sports Management Assistant Professor Search, Marketing, Media and Big Data
2016 – 2017	Curriculum Revamp, Chair

***University of South Carolina: University Service***

2008 – 2010	T32 Predoctoral Mentor, Interfacing Behavioral and Biomedical Science
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***University of South Carolina: School of Public Health Service***

2010 – 2011	Arnold School of Public Health Strategic Research Planning Task Force, Member
2010 – 2011	Search Committee for the Chair for Department of Epidemiology and Biostatistics, Member

- 2006 – 2011 MPH in Physical Activity & Public Health Coordinating Committee, Arnold School of Public Health, Member
- 2007 – 2010 Arnold School of Public Health Curriculum Committee, Member
- 2006 – 2007 Exercise Science- Children’s Physical Activity Research Group Search Committee, Member
- 2006 Center for Research in Nutrition and Health Disparities Seed Grant Awards Review Committee, Member

***University of South Carolina: School of Public Health, Department of Epidemiology and Biostatistics Service***

- 2006 – 2011 Epidemiology Admissions Committee, Member
- 2009 – 2011 Epidemiology Research Committee, Member
- 2007 – 2010 Epidemiology Curriculum Committee, Chair
- 2009 – 2010 Epidemiology Assistant/Associate Professor Search Committee, Member
- 2007 – 2008 Epidemiology Exam Committee, Member
- 2006 – 2007 Epidemiology Search Committee, Search on Childhood Obesity

***Case Western Reserve University: Department of Epidemiology and Biostatistics Service***

- 2004 – 2006 MPH Accreditation Advisory Council, Member
- 2003 – 2006 Track Leader MPH Program, Health Promotion and Disease Prevention Track
- 2002 – 2006 Women Faculty of the School of Medicine, Case Western Reserve University
- 2003 New Behavioral Epidemiology Specialization, Co-developed new specialization in Epidemiology, including new curriculum and courses
- 2003 Admissions Committee, Member
- 2003 Comprehensive Exam Coordinator

***Community Service***

- 2019 – Present Motion Coalition (Michigan Organizations to Impact Obesity & Nutrition), Member
- 2013 – 2018 Healthy Out-of-School Time Coalition, Member
- 2004 – 2006 Mayor’s Bike and Pedestrian Advisory Committee, City of Cleveland, Member
- 2004 – 2006 Leadership Committee, Steps to a Healthier Cleveland, Cleveland Department of Public Health, Member
- 2003 – 2006 Community Advisory Board, Active Living By Design, Slavic Village Development Corporation, Member
- 2003 – 2005 Community Advisory Board, Tru 2 U Program, Partnership between the Music & Performing Arts at Trinity Cathedral, YWCA of Greater Cleveland and CWRU Department of Family Medicine, Member
- 2003 – 2004 Steering Committee, Clevelanders in Motion, City-wide think-tank on obesity
- 2001 – 2004 Steering Committee, Cuyahoga County Comprehensive Partnership for Tobacco Reduction, Member

- 2003 Review Committee, Local Tobacco Prevention/Cessation Grants, Cuyahoga County Board of Health, Member
- 2003 Case for Community Day, Organized 10 member team, Case Western Reserve University, Member
- 2002 Review Committee, Federal HIV Prevention Grants, Cleveland Department of Public Health, Member

***Ad-hoc Reviewer***

American Journal of Epidemiology  
American Journal of Health Behavior  
American Journal of Preventive Medicine  
American Journal of Public Health  
Annals of Behavioral Medicine  
Archives of Physical Medicine and Rehabilitation  
Developmental Psychology  
Environment and Behavior  
Health & Place  
Housing Policy Debate  
International Journal of Behavioral Nutrition and Physical Activity  
International Journal of Environmental Research and Public Health  
Journal of Adolescent Health  
Journal of Physical Activity and Health  
Journal of Public Health Management & Practice  
Landscape and Urban Planning  
Population Research and Policy Review  
Preventing Chronic Disease  
Preventive Medicine  
Preventive Medicine Reports

**PROFESSIONAL MEMBERSHIPS**

Society of Behavioral Medicine

**HONORS AND AWARDS**

- 2021 Faculty Research Award, School of Kinesiology, University of Michigan
- 2016 Faculty Research Award, School of Kinesiology, University of Michigan
- 2014 Citation Award, Society of Behavioral Medicine
- 2013 Travel award for JHGCCO Workshop: Agent-based and systems dynamic models: New tools for understanding obesity
- 2011 Delta Omega Faculty Member, Honorary Society in Public Health

2010	Keith Teaching Award Nominee, Arnold School of Public Health, University of South Carolina
2007 – 2010	Health Disparities Research Loan Repayment Fellow, National Institutes of Health
2004	Early Investigator Award, International Society of Behavioral Nutrition and Physical Activity
2004	Best Contribution Award, Case Western Reserve University School of Medicine
2004	Learning Fellow, The University Center for Innovation in Teaching and Education, Case Western Reserve University
2004	Case Faculty Representative for National Conference on Examining Student Education and Action on Health Disparities, Kansas City
2003 – 2004	National Public Health Leadership Scholar, Funded by the Centers for Disease Control and Prevention. Part of four-member Ohio Team

## RESEARCH SUPPORT

### *Current Federally-Funded Studies*

**Principal Investigator, R01**, *Examining racial segregation and underlying mechanisms related to VCID and incident stroke in the REGARDS study*  
 NIH/NINDS; 05/01/2022-04/30/2025 (4<sup>th</sup> year to be funded after administrative review)  
 \$2,258,218, (first three years) 4.2 calendar months

To examine whether structural racism and discrimination factors (operationalized as race-based school segregation and racial residential segregation) are associated with the risk of vascular contributions to cognitive impairment and dementia (VCID) and incident stroke, and to identify the pathways through which they exert their effect.

**Principal Investigator (multiple), R03**, *Neighborhood socioeconomic environments and social disparity in child obesity: The Fragile Families & Child Wellbeing Study*  
 NIH/NICHHD; 06/01/20 – 05/31/23 (NCTX)  
 \$156,000 total costs; 0.4 calendar months

The project aims are to investigate the contribution of neighborhood socioeconomic status (SES) changes on child obesity over time, to determine the extent by which neighborhood SES changes explain social disparity in obesity over time, and to examine the mediating and moderating effects.

### *Pending Federally-Funded Studies*

**Principal Investigator, R21**, *The role of the contextual food environment and community programs and policies on diet and dietary disparities in the national Healthy Communities Study*

NIH/NHLBI; 7/01/2023-6/30/2025

\$248,890 total costs; 1.8 CM

Under review

This study will help document the influence of community programs and policies and food availability on dietary intake. It will also determine whether there are differences in these relationships by race/ethnicity or socio-economic status.

### ***Completed Federally-Funded and Foundation Grants***

**Principal Investigator, R01, *The effect of built and social environments on childhood obesity and racial/ethnic disparities in the national Healthy Communities Study***

NIH/NHLBI; 09/01/2017 – 06/30/2022 (NCTX)

\$3,337,002 total costs; 0.9 calendar months

**Principal Investigator (multiple), R01, *Built environments on stroke risk and stroke disparities in a national sample***

NIH/NINDS; 02/01/2016 – 01/31/2021, NCTX

\$2,502,035 total costs; 3.2 calendar months

**Principal Investigator, R21, *Improving environmental measures in obesity research using innovative technology***

NIH/NCI; 04/09/2015 – 03/31/2018

\$397,137 total costs; 1.8 calendar months

**Principal Investigator, R03, *Impact of public housing assistance on modifiable cancer risk factors in adults***

NIH/NCI; 04/01/2014 – 03/31/2016

\$155,313 total costs; .15 calendar months

**Principal Investigator, R01, *Effects of the built environment, crime & food Prices on BMI, activity & eating***

NIH/NCI; 12/04/2009 – 11/30/2014

\$1,076,640 total costs; 2.0 calendar months

**Principal Investigator, *Objectively measuring physical activity space and food environments***

Robert Wood Johnson Foundation; 08/01/2006 – 01/31/2009

\$51,361 total costs; 0.45 academic months, 0.15 summer months

**Principal Investigator, R21, *Defining the Built Environment***

NIH/NCI; 09/15/2005 – 08/31/2008

\$377,486 total costs; 2.25 academic months, 0.75 summer months

**Principal Investigator, *School grounds as community parks: Modifying the environment to increase physical activity***

Robert Wood Johnson Foundation; 07/2004 – 11/2005

\$99,992 total costs; 3.0 calendar months

**PI of subcontract, R01, *Physical activity during the transition from elementary school to middle school Renewal***

NIH/NHLBI; 01/01/2014 – 12/31/2019; Pate, PI  
\$3,218,542 total costs; 1.8 calendar months

**PI of subcontract, R01, *Impact of green space improvement on physical activity in a low income community***

NIH/NCI; 07/01/2012 – 04/30/2017; Dubowitz, PI  
\$3,064,353 total costs; 1.5 calendar months

**PI of subcontract, R01, *Impact of physical activity on stroke and cognitive function in older adults***

NIH/NINDS; 10/01/2008 – 07/31/2014; Hooker, PI  
\$2,873,298 total costs; 0.8 calendar months

**PI of subcontract, R01, *Physical activity during the transition from elementary school to middle school***

NIH/NHLBI; 04/15/2009 – 12/31/2013; Pate, PI  
\$3,218,542 total costs; 1.8 calendar months

**Co-Investigator, R01, *Cognitive resilience and community context: Examining the role of neighborhood built and social environments for slowing the progression of dementia among older Americans***

NIH/NIA; 09/01/17 – 08/31/22 NCTX; Clarke, PI  
\$2,711,078 total costs; 0.5 calendar months

**Co-Investigator, R01, *A positive PATH (Promoting Activity and Trajectories of Health) for children***

NIH/NHLBI; 09/01/16 – 06/30/22 NCTX; Robinson, PI  
\$2,564,256 total costs; 0.9 calendar months

**Co-Investigator, Contract, *The Healthy Communities Study, how communities shape children's health***

NIH/NHLBI 2010-2015; Strauss, PI  
\$23,000,000 total costs; 1.2 calendar months (transitioned to consultant when I moved to UM)

**Co-Investigator, *Linking geographic data on food accessibility to the PSID***

Clark R. Smith Family Foundation, 01/01/2016 – 06/30/2018; Tang, PI  
\$200,000 total costs; 0.3 calendar months

**Co-Investigator, *Determining the potential benefit of powered prostheses***

DoD; 09/01/2015 – 08/31/2017; Gates, PI  
\$499,194 total costs; 1.1 calendar months

**Co-Investigator, *Youth, Education & Society (YES) project, national program***

Robert Wood Johnson Foundation; 11/15/2008 – 12/31/2014; Johnston, PI  
\$7,323,077 total costs; 6.0 calendar months

**Co-Investigator, *Health promotion and disease prevention research center***

CDC; 09/30/2009 – 09/29/2014; Wilcox, PI  
\$6,371,164 total costs; 0.45 academic months, 0.15 summer months

**Co-Investigator, supplement, *Improving safety and access for physical activity***

NIH/NIDDK; 07/01/2009 – 06/30/2011; Wilson, PI  
\$513,794 total costs; .72 academic months, .24 summer months



**Co-Investigator, supplement, *Developing measures of the built nutrition environment***  
NIH/NCI; 06/01/2009 – 05/31/2011; Liese, PI  
\$76,371 total costs; 0.45 academic months, 0.15 summer months

**Co-Investigator, R21, *Developing measures of the built nutrition environment***  
NIH/NCI; 06/01/2008 – 05/31/2011; Liese & Lawson, PI  
\$586,474 total costs; 0.45 academic months, 0.15 summer months

**Co-Investigator, *Health Promotion and Disease Prevention Research Center***  
CDC; 09/30/2004 – 09/29/2009; Hooker, PI  
\$6,115,222 total costs; 0.45 academic months, 0.15 summer months

**Co-Investigator, *Long-term effect of social environments on activity patterns and overweight among US adolescents***  
HRSA; 02/1/2008 – 01/31/2009; Lui, PI  
\$69,397 total costs; 0.45 academic months, 0.15 summer months

**Co-Investigator, *Active living by design: Connecting Cleveland communities: Design for a healthy neighborhood***  
Robert Wood Johnson Foundation; 11/2003 – 10/2007; Reichtell, Slavic Village Development Corporation, PI  
\$200,000 (direct); 5% (in-kind)

**Co-Investigator, R01, *Abstinence vs. Safe-sex education to middle school teens***  
NIH/NICHHD; 06/2002 – 05/31/06; Borawski, PI  
\$1,793,282 total costs; 1.2 calendar months

### ***Pilot Studies***

**Co-Investigator, *Project Team Resilience***  
University of Michigan – Biosciences; 12/2020 – 12/2023  
\$666,900 total costs; .1 calendar months

### ***Pilot Studies Completed***

**Principal Investigator, *Using a mobile phone application to assess time use, physical activity and obesity***  
University of Michigan Momentum Center; 11/01/2014 – 10/31/2016  
\$25,000 total costs; 0 calendar months (pilot study)

**Principal Investigator, *Environments and activity: GPS-based collection of real-time perception and behavioral data to support modeling***  
University of Michigan - Mcubed program; 12/18/2012 – 4/1/2015  
\$60,000 total costs; 0 calendar months (pilot study)

**Principal Investigator, *Environmental influences on physical activity***  
American Cancer Society Institutional Research Grant; 01/2004 – 12/2004  
\$20,000 (direct); 20% in-kind

**Co-Investigator, *Unlocking the potential of mobile big data for behavioral research***  
University of Michigan - Mcubed program; 11/2015 – 12/2017; Newman, PI  
\$60,000 total costs, 0 calendar months (pilot study)

**Co-Investigator**, *Outdoor child physical activity and neighborhood environment—preliminary data for trial of impact of safe playspaces for children on child physical activity*  
University of South Carolina - Research Consortium on Children and Families; 05/15/2007 – 11/15/2007; Meriwether, PI  
\$20,956 total costs; 0.45 academic months (in-kind)

### ***Evaluation Contracts Completed***

**Principal Investigator**, *Evaluation of STEPS to a healthier US: Cleveland proposal*  
Health and Human Services/Centers for Disease Control and Prevention; 11/2004 – 10/2005;  
\$180,909; 25%;

**Principal Investigator**, *Evaluation of the invest in children lead primary prevention*  
Cuyahoga County Commissions and Local Foundations; 01/2005 – 06/2005  
\$5,512; 1.8%

**Principal Investigator**, *Evaluation of active for life*  
Cleveland Department of Public Health; 01/2004 – 12/2004  
\$4,000 (direct); 3.5%

**Co-Investigator**, *Evaluation of the Cuyahoga County comprehensive partnership for tobacco Reduction*  
Master Settlement Agreement and local funding; 11/01/2003 – 10/31/2005; Borawski, PI  
\$99,000; 10%

**Co-Investigator**, *Evaluation of teen pregnancy prevention programming in Cuyahoga County*  
Ohio Children and Family First Council; 7/1/2004-6/30/2005; Borawski, PI  
\$99,900; 10%

## **PUBLICATIONS**

### ***Peer-Reviewed Journal Articles***

1. Kim, Y., Liao, Y., Colabianchi, N. Examining the long-term association between neighborhood socioeconomic status and obesity and obesity-related unhealthy behaviors among children: Results from the Fragile Families and Child Wellbeing Study. *Annals of Behavioral Medicine*. In press.
2. Kim H, Rajbhandari A, Krile R, Lang IM, Antonakos CL, Colabianchi N. Body Mass Index Trajectories among the Healthy Communities Study Children: Racial/Ethnic and Socioeconomic Disparities in Childhood Obesity. *J Racial Ethn Health Disparities*. 2023 Jan 19:1–13. doi: 10.1007/s40615-023-01511-x. Epub ahead of print. PMID: 36656440; PMCID: PMC9851105.
3. Kim, Y., Colabianchi, N. The Longitudinal Effect of Area Socioeconomic Changes on Obesity: a Longitudinal Cohort Study in the USA from 2003 to 2017. *J Urban Health* 99, 1068–1079 (2022). <https://doi.org/10.1007/s11524-022-00681-z>
4. Twardzik E, Clarke PJ, Lisabeth LD, Brown SH, Roth DL, Judd SE, Colabianchi N. Enhanced Street Crossing Features are Associated with Higher Post-Stroke Physical Quality of Life. *Top Stroke Rehabil*. 2022 Aug 4:1-11. doi:10.1080/10749357.2022.2108970. Epub ahead of print. PMID: 35924680.

5. Webster KE, Seng JS, Gallagher NA, Gothe NP, Colabianchi N, Smith EML, Ploutz-Snyder R, Larson JL. Physical Activity Programming for Older Adults in Assisted Living: Residents' Perspectives. *West J Nurs Res.* 2022 Jun 30;1939459221107579. doi: 10.1177/01939459221107579. Epub ahead of print. PMID:35775102.
6. Twardzik E, Colabianchi N, Duncan L, Lisabeth LD, Brown SH, Clarke PJ. "Well in in this neighborhood I have walked, not at all": Stroke survivors lived experience in the outdoor environment. *Soc Sci Med.* 2022 Jul;305:115107. doi:10.1016/j.socscimed.2022.115107. Epub 2022 Jun 2. PMID: 35690031; PMCID:PMC9310555.
7. Hooker SP, Diaz KM, Blair SN, Colabianchi N, Hutto B, McDonnell MN, Vena JE, Howard VJ. Association of Accelerometer-Measured Sedentary Time and Physical Activity With Risk of Stroke Among US Adults. *JAMA Netw Open.* 2022 Jun 1;5(6):e2215385. doi: 10.1001/jamanetworkopen.2022.15385. PMID: 35657625; PMCID: PMC9166254.
8. Twardzik E, Clarke PJ, Lisabeth LL, Brown SH, Hooker SP, Judd SE, Colabianchi N. The Relationship Between Environmental Exposures and Post-Stroke Physical Activity. *Am J Prev Med.* 2022 Aug;63(2):251-261. doi:10.1016/j.amepre.2022.01.026. Epub 2022 Mar 28. PMID: 35361506; PMCID:PMC9310088.
9. Lang IM, Antonakos CL, Judd SE, Colabianchi N. A longitudinal examination of objective neighborhood walkability, body mass index, and waist circumference: the REasons for Geographic And Racial Differences in Stroke study. *Int J Behav Nutr Phys Act.* 2022 Feb 12;19(1):17. doi: 10.1186/s12966-022-01247-7. PMID: 35151322; PMCID: PMC8841052.
10. Gilley KN, Baroudi L, Yu M, Gainsburg I, Reddy N, Bradley C, Cislo C, Rozwadowski ML, Clingan CA, DeMoss MS, Churay T, Birditt K, Colabianchi N, Chowdhury M, Forger D, Gagnier J, Zernicke RF, Cunningham JL, Cain SM, Tewari M, Choi SW. Risk Factors for COVID-19 in College Students Identified by Physical, Mental, and Social Health Reported During the Fall 2020 Semester: Observational Study Using the Roadmap App and Fitbit Wearable Sensors. *JMIR Ment Health.* 2022 Feb 10;9(2):e34645. doi: 10.2196/34645. PMID: 34992051; PMCID: PMC8834863.
11. Webster KE, Colabianchi N, Ploutz-Snyder R, Gothe N, Smith EL, Larson JL. Comparative assessment of ActiGraph data processing techniques for measuring sedentary behavior in adults with COPD. *Physiol Meas.* 2021 Aug 27;42(8). doi: 10.1088/1361-6579/ac18fe. PMID: 34325404.
12. Brooks MS, Bennett A, Lovasi GS, Hurvitz PM, Colabianchi N, Howard VJ, Manly J, Judd SE. Matching participant address with public records database in a US national longitudinal cohort study. *SSM Popul Health.* 2021 Aug 3;15:100887. doi: 10.1016/j.ssmph.2021.100887. PMID: 34401464; PMCID: PMC8358447.
13. Duran AT, Pascual CB, Goldsmith J, Howard VJ, Hutto B, Colabianchi N, Vena JE, McDonnell MN, Blair SN, Hooker SP, Diaz KM. Objectively Measured Physical Activity and Sedentary Time Among Adults With and Without Stroke: A National Cohort Study. *Stroke.* 2021 Nov;52(11):e729-e732. doi: 10.1161/STROKEAHA.121.034194. Epub 2021 Sep 27. PMID: 34565173.

14. Finlay J, Esposito M, Li M, Colabianchi N, Zhou H, Judd S, Clarke P. Neighborhood active aging infrastructure and cognitive function: A mixed-methods study of older Americans. *Prev Med*. 2021 Sep;150:106669. doi: 10.1016/j.ypmed.2021.106669. Epub 2021 Jun 1. PMID: 34087319; PMCID: PMC8316307.
15. Webster KE, Zhou W, Gallagher NA, Smith EML, Gothe NP, Ploutz-Snyder R, Colabianchi N, Larson JL. Device-measured sedentary behavior in oldest old adults: A systematic review and meta-analysis. *Prev Med Rep*. 2021 May 18;23:101405. doi: 10.1016/j.pmedr.2021.101405. PMID: 34136338; PMCID: PMC8181193.
16. Stewart MT, Nezich T, Lee JM, Hasson RE, Colabianchi N. Using a Mobile Phone App to Analyze the Relationship Between Planned and Performed Physical Activity in University Students: Observational Study. *JMIR Mhealth Uhealth*. 2021 Apr 29;9(4):e17581. doi: 10.2196/17581. PMID: 33913812; PMCID: PMC8120422.
17. Finlay J, Esposito M, Li M, Kobayashi LC, Khan AM, Gomez-Lopez I, Melendez R, Colabianchi N, Judd S, Clarke PJ. Can Neighborhood Social Infrastructure Modify Cognitive Function? A Mixed-Methods Study of Urban-Dwelling Aging Americans. *J Aging Health*. 2021 Oct;33(9):772-785. doi: 10.1177/08982643211008673. Epub 2021 Jul 23. PMID: 34301156.
18. Pate RR, Dowda M, Saunders RP, Colabianchi N, Clennin MN, Cordan KL, Militello G, Bucko A, Porter DE, Shirley WL. Operationalizing and Testing the Concept of a Physical Activity Desert. *J Phys Act Health*. 2021 Mar 30;18(5):533-540. doi: 10.1123/jpah.2020-0382. PMID: 33785659; PMCID: PMC8612091.
19. Kim Y, Twardzik E, Judd SE, Colabianchi N. Neighborhood Socioeconomic Status and Stroke Incidence: A Systematic Review. *Neurology*. 2021 May 11;96(19):897-907. doi: 10.1212/WNL.00000000000011892. Epub 2021 Mar 25. PMID: 33766995; PMCID: PMC8166445.
20. Kim J, Wensman J, Colabianchi N, Gates DH. The influence of powered prostheses on user perspectives, metabolics, and activity: a randomized crossover trial. *J Neuroeng Rehabil*. 2021 Mar 16;18(1):49. doi: 10.1186/s12984-021-00842-2. PMID: 33726802; PMCID: PMC7962267.
21. Jones AC, Chaudhary NS, Patki A, Howard VJ, Howard G, Colabianchi N, Judd SE, Irvin MR. Neighborhood Walkability as a Predictor of Incident Hypertension in a National Cohort Study. *Front Public Health*. 2021 Feb 1;9:611895. doi: 10.3389/fpubh.2021.611895. PMID: 33598444; PMCID: PMC7882902.
22. Kim Y, Ritchie L, Landgraf A, Hasson RE, Colabianchi N. The Role of the Neighborhood Social Environment in Physical Activity among Hispanic Children: Moderation by Cultural Factors and Mediation by Neighborhood Norms. *Int J Environ Res Public Health*. 2020 Dec 19;17(24):9527. doi: 10.3390/ijerph17249527. PMID: 33352648; PMCID: PMC7766550.
23. Colabianchi N, Antonakos CL, Coulton CJ, Kaestner R, Lauria M, Porter DE. The role of the built environment, food prices and neighborhood poverty in fruit and vegetable consumption: An instrumental variable analysis of the moving to opportunity experiment. *Health Place*. 2021 Jan;67:102491. doi:

- 10.1016/j.healthplace.2020.102491. Epub 2020 Dec 18. PMID: 33348282; PMCID: PMC8123939.
24. Beemer, L.R., Twardzik, E., Colabianchi, N., Hasson, R.E. Patterning of physical activity and sedentary behavior at and away from school in preadolescent children. *American Journal of Health Education*. DOI: [10.1080/19325037.2020.1853631](https://doi.org/10.1080/19325037.2020.1853631)
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### **Briefs**

- Terry-McElrath, Y. M., Turner, L., Colabianchi, N., O'Malley, P. M., Chaloupka, F. J., & Johnston, L. D. (2014). Student reactions during the first year of updated school lunch nutrition standards. A BTG Research Brief. Ann Arbor, MI: Bridging the Gap. Available at [http://www.bridgingthegapresearch.org/asset/h6lb19/BTG\\_student\\_opinions\\_school\\_lunch\\_Jul\\_14.pdf](http://www.bridgingthegapresearch.org/asset/h6lb19/BTG_student_opinions_school_lunch_Jul_14.pdf)
- Terry-McElrath, Y. M., Colabianchi, N., O'Malley, P. M., & Johnston, L. D. (2014). Commercial supplier involvement associated with higher low-nutrient, energy-dense food availability and lower fruit and vegetable availability in school vending machines. A BTG Research Brief. Chicago, IL: Bridging the Gap. Available at [http://www.bridgingthegapresearch.org/asset/dl844h/BTG\\_food\\_profits\\_brief\\_Jun\\_14.pdf](http://www.bridgingthegapresearch.org/asset/dl844h/BTG_food_profits_brief_Jun_14.pdf)

- Colabianchi, N., Turner, L., Hood, N. E., Chaloupka, F. J., & Johnston, L. D. (2014). Availability of Drinking Water in US Public School Cafeterias. A BTG Research Brief. Chicago, IL: Bridging the Gap. Available at [http://www.bridgingthegapresearch.org/asset/4svpjs/BTG\\_drinking\\_water\\_brief\\_FINAL\\_April2014.pdf](http://www.bridgingthegapresearch.org/asset/4svpjs/BTG_drinking_water_brief_FINAL_April2014.pdf)
- Slater, S., & Colabianchi, N. (2013). Society of Behavioral Medicine Position Statement on supporting robust, well-designed, safe, and accessible community parks. Available at [http://www.sbm.org/UserFiles/file/parks-brief\\_statement\\_for\\_website\\_updated.pdf](http://www.sbm.org/UserFiles/file/parks-brief_statement_for_website_updated.pdf)
- Colabianchi, N., Johnston, L. D., & O'Malley, P. M. (2012). Sports participation in secondary schools: resources available and inequalities in participation – A BTG Research Brief. Ann Arbor, MI: Bridging the Gap Program, Survey Research Center, Institute for Social Research, University of Michigan. Available at [http://www.bridgingthegapresearch.org/asset/7gflg0/btg\\_sports\\_participation\\_FINAL.pdf](http://www.bridgingthegapresearch.org/asset/7gflg0/btg_sports_participation_FINAL.pdf)

### *Technical Reports*

- Johnston, L.D., O'Malley, P.M., Terry-McElrath, Y.M., & Colabianchi N., (2015) School Policies and Practices to Improve Health and Prevent Obesity: National Secondary School Survey Results: School Years 2006–07 through 2012–13. Volume 5. Bridging the Gap Program, Survey Research Center, Institute for Social Research, Ann Arbor, MI.
- Johnston, L. D., O'Malley, P. M., Terry-McElrath, Y. M., & Colabianchi, N. (2014). User's guide for Bridging the Gap: Complete descriptive statistics on secondary schools: School years 2006-07 through 2010-12. Ann Arbor, MI: Bridging the Gap Program, Survey Research Center, Institute for Social Research.
- Johnston, L. D., O'Malley, P. M., Terry-McElrath, Y. M., & Colabianchi, N. (2014). School policies and practices to improve health and prevent obesity: National secondary school survey results: school years 2006–07 through 2011–12. Volume 4. Ann Arbor, MI: Bridging the Gap Program, Survey Research Center, Institute for Social Research.
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- Coulton, C., Colabianchi, N., Cook, T. B., & Kim, C. (2001). Ohio inner city health profile. Prepared for Ohio Department of Health.



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- Coulton, C., Colabianchi, N., & Cook, T. B. (2001). Social Capital Community Benchmark Survey - Cuyahoga County, 2000. Prepared for The Cleveland Foundation.

### ***Occasional Papers***

- Terry-McElrath, Y. M., Colabianchi, N., O'Malley, P. M., & Johnston, L. D. (2014). First year of USDA school lunch meal standards: Findings from US secondary schools. (Youth, Education, & Society Occasional Paper No. 7). Ann Arbor, MI: Institute for Social Research, 10 pp. Available at <http://www.yesresearch.org/publications/occpapers/YESOccPaper7.pdf>

### ***Published Abstracts***

- Diaz, KM, Howard, V, Hutto, B, Colabianchi, N, Vena, JE, Safford, MM, Blair, S, Hooker, SP. Patterns of Sedentary Behavior and All-Cause Mortality in US Adults: The REGARDS Study. *Gerontologist* (2016) 56 (Suppl\_3): 501. DOI: <https://doi.org/10.1093/geront/gnw162.2020>
- Barnes, T. L., Colabianchi, N., Bell, B. A., Freedman, D. A., Hibbert, J. D., & Liese, A. D. (2012). Examining measures of spatial access: association between the built neighborhood environment and perception. [Abstract]. *Epidemiology*, 23(5S). Columbia, South Carolina: International Society for Environmental Epidemiology. August 26-30, 2012. doi:10.1097/01.ede.0000416861.59755.c4
- Maslow, A. L., Bottai, M., Hooker, S. P., Blair, S. N., & Colabianchi, N. (2011). Agreement between four different methods assessing physical activity or cardiorespiratory fitness. [Abstract]. *Medicine and Science in Sports and Exercise*, 43, Suppl, S420.
- Ward, D. S., Dowda, M., Colabianchi, N., Pfeiffer, K., McIver, K., Porter, D., & Pate, R. (2008). Do facilities close to school support physical activity in high school girls? [Abstract]. *Medicine and Science in Sports and Exercise*, 40(5), Supplement, S29-S30.
- Hooker, S. P., Sui, X., Lin, I.-M., Church, T. S., Colabianchi, N., Lee, C. D., & Blair, S. N. (2008). A prospective study of cardiorespiratory fitness and risk of type 2 diabetes in women. [Abstract]. *Medicine and Science in Sports and Exercise*, 40(5), Supplement, S36.
- Colabianchi, N., Kinsella, A., McClure, S., Zullo, M., Coulton, C., Moore, S., & Clint, B. (2006). Can renovated playgrounds increase physical activity levels? [Abstract]. *Annals of Behavioral Medicine*, 31, Supplement, S083.

## **PRESENTATIONS**

### ***Invited Oral Presentations***

- Colabianchi, N. (2022, June): Walkability Matters – Keeping it in the neighborhood to prevent and manage diabetes. American Diabetes Association. New Orleans, LA.
- Colabianchi, N. (2020, February): Advancing measurement of environmental and policy influences on

childhood obesity: Neighborhood Audits. National Collaborative on Childhood Obesity Research (CDC, NIH, RWJF, USDA). Atlanta, GA.

Colabianchi, N. (2019, November): Built Environment Symposium: Physical activity and the built environment (Plenary Lecture). Lister Hill Center for Health Policy, UAB, Birmingham, AL.

Colabianchi, N. (2015, May). Adolescent self-defined neighborhoods and activity spaces: spatial overlap and relations to physical activity and obesity. International Max Planck Research School on the Life Course. Ann Arbor, MI.

Colabianchi, N., Chiqui, J., O'Malley, P., Chaloupka, F., & Johnston, L. (2012, August). Physical Activity Policy: State Law, District Policy and Student Behavior. American Psychological Association, Orlando, FL.

Colabianchi, N. (2011, December). Global Health Summit: Obesity: Global Pandemic, Local Crisis. Invited Panelist at Columbus Council on World Affairs, Columbus, OH.

Colabianchi, N. (2008, March 21). Objective Measures of the Built Environment: Obesity as an Example. Case Western Reserve University, Cleveland, OH.

Colabianchi, N., & Liu, G. (2008, April 9). Active Living in Youth Populations. Active Living Research Grantees' Conference, Washington, DC.

Colabianchi, N. (2005, March). Does where you live affect your body weight? Swetland Center for Environmental Health, Cleveland, OH.

Colabianchi, N. (2004, July). State of the City. Mayor's Bike and Pedestrian Advisory Committee, Cleveland, OH.

Colabianchi, N. (2004, April). State of the Problem: Cleveland Community. Obesity Conference, Cleveland, OH.

Colabianchi, N. (2004, February). Childhood Lead Poisoning in Cleveland, Ohio. Swetland Center for Environmental Health, Cleveland, OH.

Colabianchi, N. (2003, June). The Local Problem. Presented at Lead Safe Living – 2003 Childhood Lead Conference, Cleveland, OH.

### ***Oral Presentations***

Hooker, S., Diaz, K., Blair, S., Colabianchi, N., Hutto, B., McConnell, M., Vena, J., Howard, V. The Association Between Sedentary Time and Physical Activity and Risk of Stroke: A National Cohort Study. International Society for Behavioral Nutrition and Physical Activity Conference. Phoenix, Arizona, June, 2022.

Stewart, M.T., Rajbhandari, A., Lang, I-M., Miller, S., Colabianchi, N. Neighborhood safety, school programming, and active transportation to school; findings from the Healthy Communities Study (Mini-Oral). 8th International Society for Physical Activity and Health (ISPAH) Congress, held Virtual due to COVID-19. October, 2021.

Kim, Y., Ritchie, L., Landgraf, A., & Colabianchi, N. (2021). The role of neighborhoods in the association between acculturation and physical activity in Hispanic children. Paper presented at

the annual conference of the Society for Social Work and Research, virtually held due to the Covid-19. January, 2021.

- Kim, Y., Landgraf, A., Ritchie, L., Au, L., & Colabianchi, N. (2020). Multifaceted neighborhood contexts shape home food environments, independent of family socioeconomic status, in a national sample. Annual conference of the Society for Social Work and Research, Washington DC. January, 2020.
- Colabianchi, N. The influence of parks, playgrounds, and neighborhood environments in facilitating physical activity. (2019). Exercise & Sport Science Initiative, Ann Arbor, MI. November 14, 2019.
- Twardzik, E., Duchowny, K., Gallagher, A., Alexander, N., Colabianchi, N., & Clarke, P. (2018). Which Features of the Built Environment Matter Most for Mobility? Using Wearable Sensors to Capture Real-Time Outdoor Environment Demand for Mobility. American Public Health Association, Health Equity Now. San Diego, CA. November 10-14, 2018.
- Twardzik, E., Antonakos, C., Baiers, R., Dubowitz, T., Clarke, P., & Colabianchi, N. (2018). Validity of GigaPan Technology to Observe Environmental Features and Attributes. Society of Behavioral Medicine Annual Meeting. New Orleans, LA. April 11-14, 2018.
- Colabianchi, N. (2018). Kinesiology and the Fierce Urgency of Now. Empowering Lives and Impacting Communities. Panel Presenter. MLK Day Symposium. Ann Arbor, MI. January, 2018.
- Colabianchi, N., McIver, K, Dowda, M, Pate, R. (2017). Symposium: Contextualizing health behaviors and outcomes: The role of geography; Individual Talk: The Built Environment and Childhood Obesity: The Healthy Communities Study. Society of Behavioral Medicine, San Diego, CA. March, 2017.
- Twardzik, E., Clarke, P., Judd, S., Haley, W., & Colabianchi, N. (2017) Effects of Neighborhood Socioeconomic Status on Changes in Quality of Life Among Stroke Survivors. American Public Health Association, Atlanta, GA. November, 2017.
- Colabianchi, N. (2017). Healthy individuals and communities (Symposium moderator). Exercise & Sport Science Initiative, Ann Arbor, MI. November 2, 2017.
- Colabianchi, N. (2017). Precision Health in Kinesiology, Precision Health Luncheon – University of Michigan, Ann Arbor, MI. October, 2017.
- Twardzik, E. Clarke, P., Judd, S., Haley, W., & Colabianchi, N. (2017). Association Between Stroke and Changes in Quality of Life: Is There Effect Modification by Neighborhood SES. Health Sciences Bicentennial Luncheon Presentation. Ann Arbor, MI.
- Diaz, KM, Howard, V, Hutto, B, Colabianchi, N, Vena, JE, Safford, MM, Blair, S, Hooker, SP. (2016). Patterns of Sedentary Behavior and All-Cause Mortality in US Adults: The REGARDS Study. The Gerontological Society of America. New Orleans, LA. November, 2016.
- Colabianchi, N., Judd, S., Clarke, P., Blair, S., Howard, V., Hutto, B., & Hooker, S. (2015). Accelerometer-derived Physical Activity in Older Adults - The REGARDS Study: Walkscore and Physical Activity. Paper presented as part of symposium (Accelerometer-derived Physical Activity in Older Adults – The REGARDS Study) ACSM, San Diego, California. May, 2015. Given by Steven Hooker.

- Colabianchi, N., Griffin, J. L., Slater, S. J., O'Malley, P. M., & Johnston, L. D. (2014). The Whole-of-School Approach for Physical Activity: School Practices and Associations with Student Physical Activity in a Nationally Representative Sample of Secondary Students. Society of Behavioral Medicine, Philadelphia, PA. April, 2014.
- Hood, N. E., Colabianchi, N., Terry-McElrath, Y. M., O'Malley, P. M., & Johnston, L. D. (2013). Associations between school wellness policies and availability of foods and beverages in competitive venues Paper presented at the Society for Prevention Research 21<sup>st</sup> Annual Meeting, San Francisco, CA. May, 2013.
- Kassandra, A. A., Wilson, D. K., Colabianchi, N., Meyers, D., McKenzie, T., & Ainsworth, B. (2013). Assessing Urban Walking Trails in the PATH Study: Modifying Systematic Observational Protocols for Underserved Environments. 34<sup>th</sup> Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, San Francisco, CA. March 20-23, 2013.
- Howard, V. J., Rhodes, D., Hutto, B., Herald, K. R., Colabianchi, N., Vena, J. E., Seshadri, V., Lee, A., Stewart, M., Blair, S. N., & Hooker, S. P. (2013). Successful use of telephone and mail for obtaining usable accelerometer data from a national cohort: the experience of the Reasons for geographic and Racial Differences in Stroke (REGARDS) Study. Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism 2013 Scientific Sessions, New Orleans, LA. March 19-22, 2013.
- Colabianchi, N., Chriqui, J., O'Malley, P., Chaloupka, F., & Johnston, L. (2012). Physical Activity Policy: State Law, District Policy and Student Behavior. American Psychological Association, Orlando, FL. August, 2012.
- Barnes, T. L., Colabianchi, N., Bell, B. A., Freedman, D. A., Hibbert, J. D., & Liese, A. D. (2012). Examining Measures of Spatial Access: Association between the Built Neighborhood Environment and Perception. International Society for Environmental Epidemiology 24<sup>th</sup> Annual Conference, Columbia, SC. August 26-30, 2012.
- Colabianchi, N., Terry-McElrath, Y. M., Johnston, L. D., & O'Malley, P. M. (2012). US secondary school physical activity practices and student behaviors: National results from 2007- 2010. Part of Bridging the Gap Symposium: Improving Physical Activity in Schools: The Linkage among Youth Behavior, Policies, Practices and Environmental Change. Society of Behavioral Medicine, New Orleans, LA. April, 2012.
- Hooker, S. P., Hutto, B., Howard, V. J., Blair, N., Colabianchi, N., Vena, J. E., & Rhodes, D. (2012). Determining accelerometer non-wear and sedentary time in midlife and older adults. 4<sup>th</sup> International Congress of Physical Activity and Public Health, Sydney, Australia. November, 2012.
- Maslow, A. L., Bottai, M., Hooker, S. P., Blair, S. N., & Colabianchi, N. (2011). Agreement between four different methods assessing physical activity or cardiorespiratory fitness. American College of Sports Medicine annual meeting, Denver, CO. June, 2011.
- Howard, V. J., Rhodes, J. D., Le, A., Hutto, B., Colabianchi, N., Vena, J. E., Seshardi, V., Stewart, M. S., Blair, S. N., & Hooker, S. P. (2011). Enrollment and compliance in a national physical activity accelerometer study: an interim report from the Reasons for Geographic and Racial

- Difference in Stroke (REGARDS) Study. North American Congress of Epidemiology meeting, Montreal, Canada. June, 2011.
- Liese, A. D., Freedman, D. A., & Colabianchi, N. (2011). Capturing the complexity of individuals' interactions with food environments: What determines where you shop? International Society for Behavioral Nutrition and Physical Activity (ISBNPA), Melbourne, Australia. June 15-18, 2011.
- Liese, A. D., Bell, B. A., Nichols, M., Colabianchi, N., Hibbert, J. D., Freedman, D., Barnes, T., & French, S. (2011). Relative influence of supermarket availability and access, perceptions, and shopping behaviors on fruit and vegetable intake. International Society for Behavioral Nutrition and Physical Activity (ISBNPA), Melbourne, Australia. June 15-18, 2011.
- Howard, V. J., Rhodes, J. D., Le, A., Hutto, B., Colabianchi, N., Vena, J. E., Seshardi, V., Stewart, M. S., Blair, S. N., & Hooker, S. P. (2011). Enrollment and compliance in a national physical activity accelerometer study: an interim report from the Reasons for Geographic and Racial Difference in Stroke (REGARDS) Study. Society for Clinical Trails meeting, Vancouver, Canada. May, 2011.
- Banda, J., Colabianchi, N., & Hooker, S. P. (2011). Measuring park usage and Park Environments in Low Income, Rural Communities. Annual CDC Prevention Research Center conference, Atlanta, GA. April, 2011.
- Blake, C., Liese, A. D., Nichols, M. D., Jones, S., Freedman, D., & Colabianchi, N. (2011). Measuring the dimensions of eating identity: Internal consistency and test-retest reliability of a short 12-item tool. Experimental Biology (American Society for Nutrition), Washington, DC. April 9-13, 2011.
- Blake, C., Liese, A. D., Nichols, M. D., Jones, S., Freedman, D. A., & Colabianchi, N. (2011). Construct validity of a short 12-item tool to assess eating identity. Experimental Biology (American Society for Nutrition), Washington, DC. April 9-13, 2011.
- Liese, A. D., Colabianchi, N., Hibbert, J. D., Nichols, M. D., & Freedman, D. A. (2011). Association of supermarket availability, accessibility and utilization with dietary intake. Experimental Biology (American Society for Nutrition), Washington, DC. April 9-13, 2011.
- Colabianchi, N., Hibbert, J. D., Coulton, C. J., Ievers-Landis, C. E., & Davis, E. M. (2011). An examination of adolescents' physical activity space and relationships with self-defined and buffer-defined neighborhood boundaries. Society of Behavioral Medicine, Washington, DC. April, 2011.
- Colabianchi, N., Coulton, C. J., Hibbert, J. D., Ma, X., Davis, E. M., & Ievers-Landis, C. E. (2011). Won't you be my neighbor? Understanding neighborhood boundaries and their salience to physical activity and healthy eating. Healthy Eating in Context: The Role of Political, Physical, Economic, and Social Structures in Nutrition, Columbia, SC. March 18, 2011.
- Liese A. D., Hibbert J., Colabianchi, N., & Freedman D. (2010). How robust are policy data on access to healthier food retail outlets? An evaluation of environmental supports for fruit and vegetable intake in South Carolina. International Society of Behavioral Nutrition and Physical Activity (ISBNPA), Minneapolis, MN. June 9-12, 2010.
- Howard, V. J., McClure, L. A., Zhang, S., Howard, G., Colabianchi, N., & Hooker, S. P. (2009). Racial and geographic Differences in Self-reported Moderate or More Physical Activity: The

- REGARDS Study. Paper presented at the Joint Conference – 49<sup>th</sup> Cardiovascular Disease Epidemiology and Prevention Annual Conference and Nutrition, Physical Activity and Metabolism Conference, Palm Harbor, FL. March 10-12, 2009.
- Colabianchi, N., Coulton, C., Davis, E., Ievers-Landis, C., Zyzanski, S., McClure, S., Bennett, M., Maslow, A., Hibbert, J., Cader, M., & Kinsella, A. (2009). Defining the Built Environment. Paper presented at Obesity and Built Environment Grantees meeting, Triangle Park, NC. August 13-14, 2009.
- Ward, D. S., Dowda, M., Colabianchi, N., Pfeiffer, K., McIver, K., Porter, D., & Pate, R. (2008). Do facilities close to school support physical activity in high school girls? Paper presented at American College of Sports Medicine, Indianapolis, IN. May 28-31, 2008.
- Sudano, J., Colabianchi, N., Wong, D. W., & Litaker, D. (2008). Health effects of a local area racial residential segregation measure on aging adults. Paper presented at American Public Health Association, San Diego, CA. October 25-29, 2008.
- Hooker, S. P., Sui, X., Lee, I-M., Church, T., Colabianchi, N., Lee, C., & Blair, S. N. (2008). Prospective Study of Cardiorespiratory Fitness and Risk of Type 2 Diabetes in Women. ACSM Annual Meeting, Indianapolis, IN. May 28-31, 2008.
- Hooker, S.P., Mathews, A., Colabianchi, N., & Pluto, D. (2008). Pedestrian activity among California adults: who is active, where, and for what purpose? 5<sup>th</sup> Active Living Research Conference, Washington, DC. April 9-12, 2008.
- Sui, X., Colabianchi, N., Hooker, S. P., & Blair, S. N. (2008). A Prospective Study of Impaired Fasting Glucose and Undiagnosed Diabetes to the Risk of Stroke in Asymptomatic Men. Joint Conference - 48th Cardiovascular Disease Epidemiology and Prevention Annual Conference, and Nutrition, Physical Activity and Metabolism Conference, Colorado Springs, CO. March 11-15, 2008.
- Hooker, S. P., Sui, X., Colabianchi, N., Vena, J., Laditka, J., LaMonte, M. J., & Blair, S. N. (2008). Cardiorespiratory Fitness as a Predictor of Fatal and Nonfatal Stroke in Asymptomatic Women and Men. International Stroke Conference, New Orleans, LA. February 20 – 22, 2008.
- Colabianchi, N., Kinsella, A., McClure, S., Zullo, M., Coulton, C., Moore, S., & Clint, B. (2006). Can renovated playgrounds increase physical activity levels? Society of Behavioral Medicine 27<sup>th</sup> Annual Meeting & Scientific Sessions, San Francisco, CA. March 22-25, 2006.
- Zullo, M., Washington, M., Koroukian, S., & Colabianchi, N. (2006). Identifying individual and community level predictors of body mass index. American Public Health Association (134<sup>th</sup> Meeting), Boston, MA. November 4-8, 2006.
- Colabianchi, N., Borawski, E. A., Trapl, E. S., Charvat, J. M., & Ievers-Landis, C. E. (2005). Psychological, Social and Environmental Influences on Physical Activity Levels in Urban Adolescents. Society of Behavioral Medicine 27<sup>th</sup> Annual Meeting & Scientific Sessions, Boston MA. April 13-16, 2005.
- Borawski, E. A., Colabianchi, N., Ievers-Landis, C. E., Trapl, E. S., Cole, M. L. Boyd, L., Zullo, M., & Lovegreen, L. D. (2005). First year outcomes of Healthy Teens Building Healthy Schools: An abstinence-until-marriage vs. comprehensive sex education intervention study. American Public Health Association 133<sup>rd</sup> Annual Meeting & Exposition, Philadelphia, PA. December 10-14, 2005.

- Trapl, E., Borawski, E., Stork, P., Colabianchi, N., & Lovegreen, L. (2004). Methods for school-based data collection of sensitive information with adolescents: Past, present, and future. 132nd Annual APHA Meeting, Washington, DC. November 6-10, 2004.
- Colabianchi, N., Trapl, E., Ievers-Landis, C.E., & Borawski, E. (2004). Association Between Perceived Environmental Attributes and Physical Activity Among 7<sup>th</sup> Grade Students in an Urban Area. International Society of Behavioral Nutrition and Physical Activity, Washington, DC. June, 2004.
- Colabianchi, N., Ievers-Landis, C. E., & Burant, C. (2004). Parental Correlates of Adolescent Nutritional Intake. Society of Behavioral Medicine, Baltimore, MD. March, 2004.
- Sudano, J. J., Litaker, D., & Colabianchi, N. (2004). Relationship between census-tract level measures of segregation and contextual factors deleterious to health. Annual National Meeting of the Association for Health Services Research, San Diego, CA. June, 2004.
- Colabianchi, N., Borawski, E., Albert, J., Flocke, S., & Coulton, C. (2003). Contextual Influences on Adolescent Sexual Activity. Society for Prevention Research, Washington, DC. (Also presented at the Department of Epidemiology and Biostatistics Research Seminar, Cleveland, OH). June, 2003.
- Litaker D., Sudano J. J., & Colabianchi, N. (2003). Understanding the Effects of Racial Residential Segregation on Health Status. 26<sup>th</sup> Annual Meeting, Society of General Internal Medicine, Vancouver, BC. (Also presented June 2003 at the 20<sup>th</sup> Annual Scientific Meeting, Academy Health, Nashville, TN.) May, 2003.
- Colabianchi, N., Borawski, E., & Sarver, J. (2001). Association Between Weight Preoccupation and Attractiveness. Add Health Users Group, Washington, DC. August, 2001.
- Colabianchi, N. (1998). Objective measurement in the social sciences. Midwest Objective Measurement Seminar, Chicago, IL. May, 1998.

### ***Poster Presentations***

- Kim, Y., Liao, Y., & Colabianchi, N. Using path analysis to examine the long-term effect of neighborhood socioeconomic status on obesity and obesity-related unhealthy behaviors among children. Poster presented at the annual meeting of American Public Health Association, Boston, MA. November, 2022.
- Kim, Y. & Colabianchi, N. The longitudinal effect of area socioeconomic changes on obesity: A longitudinal cohort study in the USA from 2003 to 2017. Poster presented at the annual meeting of American Public Health Association, Boston, MA. November, 2022
- Twardzik, E, Clarke, PJ, Lisabeth,L, Brown, S, Roth, D, Colabianchi, N. (2021) Pedestrian-friendly features at neighborhood crossings are associated with higher physical quality of life post stroke. American Public Health Association — Creating the Healthiest Nation: Strengthening Social Connectedness. Virtual due to COVID-19. October, 2021.
- Stewart, M.T. Verma, M., Rajbhandari, A., Antonakos, C., Colabianchi, N. (2021). Park Availability and Physical Activity Among Children and Adolescents: Findings from the Healthy

Communities Study. International Conference on Ambulatory Monitoring of Physical Activity and Movement. Virtual Conference. June, 2021

- Twardzik, E. Clarke, P.J., Lisabeth, L., Brown, S., & Colabianchi, N. (2020). Rushing to Cross the Street: The Role of Crossings on Outdoor Mobility Among Stroke Survivors. American Public Health Association, Creating the Healthiest Nation: Preventing Violence. Virtual Conference. October, 2020
- Twardzik, E., Kim, Y., Verma, M., Judd, S., Howard, V., Cunningham, A. S., Kleindorfer, D., & Colabianchi, N. (2020). Relative versus absolute neighborhood economic conditions and risk of stroke in a United States national cohort. American Heart Association: Epidemiology, Prevention, Lifestyle, & Cardiometabolic Health, Phoenix, AZ. March, 2020.
- Colabianchi N., Lang I., Antonakos C., Cushman M. & Judd S. Walkable neighborhoods and Obesity Over Time: Findings from the national REGARDS Study. Conference on Health and Active Transportation. Washington, D.C. December, 2019.
- Kim, Y., Landgraf, A., & Colabianchi, N. (2019). Ethnicity matters: Association between neighborhood social environments and child physical activity in a national sample. Poster presented at the annual meeting of American Public Health Association, Philadelphia, PA. November, 2019.
- Kim, Y., Landgraf, A., & Colabianchi, N. (2019) Association between neighborhood social environments and child physical activity in a national sample. Annual Meeting, American Public Health Association, Philadelphia, PA, November, 2019.
- Twardzik, E., Clarke, P. J., Judd, S., & Colabianchi, N. (2019). Individual and Joint Effects of Mobility Aid Use and Sidewalk Problems on the Frequency of Neighborhood Engagement. American Public Health Association, For science. For action. For health. Philadelphia, PA. November, 2019.
- Stewart MT; Nezich T; Lee J; Hasson R; Colabianchi N. (2019). Exploring the Relationship Between Planned and Performed Physical Activity: the Utility of a Smartphone App. American College of Sports Medicine Conference, Orlando, FL. May, 2019.
- Colabianchi, N., Clennin, M. N., Dowda, M., McIver, K. L., Dishman, R. K., Porter, D. E., Pate, R. R. (2018). The Moderating Role of the Neighborhood Environment for Children's Physical Activity Over Time, Society of Behavioral Medicine, New Orleans, LA. April, 2018
- Kim, J., Colabianchi, N., Wensman, J., Gates, D. (2018). Quantifying the Effects of Powered Ankle Prostheses on Everyday Activity Levels. American Academy of Orthotists and Prosthetists. New Orleans, LA. Feb 14-17, 2018.
- Richardson, A. S., Troxel, W. M., Ghosh-Dastidar, M. B., Beckman, R., Hunter, G. P., Colabianchi, N., Collins, R. L., Dubowitz, T. (2017). Higher neighborhood crime is associated with greater body mass index. The Obesity Society, New Orleans, LA. November 2017.
- Palmer, K. K., Colabianchi, N., Chinn, K., & Robinson, L. E. (2017). Measuring school day physical activity using ankle accelerometry in preschoolers: A pilot study. North American Society for the Psychology of Sport and Physical Activity, San Diego, CA. June, 2017.



- Diaz, K. M., Howard, V.J., Duran, A. T., Hutto, B., Colabianchi, N., Vena, J. E., McDonnell, M., Blair, S. N., Hooker, S. P. (2017). The volume and pattern of objectively-measured sedentary behavior among stroke survivors: Findings from REasons for Geographic and Racial Differences in Stroke (REGARDS) Study. International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM). Bethesda, Maryland. June, 2017.
- Richardson, AS, Troxel, W, Ghosh-Dastidar, M, Beckman, R, Hunter, GP, DeSantis, A, Colabianchi, N, Dubowitz, T. (2016). One size doesn't fit all: Cross-sectional associations between neighborhood walkability, crime and physical activity depends on age and sex of residents. Poster presented at Obesity Society, New Orleans, LA. October, 2016.
- Zhu, F, Wadley, V, Howard, V, Rhodes, D, Hutto, B, Colabianchi, N, Blair, SN, Hooker, SP. (2015). Association of objectively measured physical activity with cognitive function in older adults. Paper presented as part of symposium (A National, Longitudinal, Population-Based Study of Cognitive Functioning: The REGARDS Study) at the Geriatric Society of America Annual Meeting, Orlando, FL. November 18-22, 2015.
- Hooker, SP, Diaz, KM, Hutto, B, Colabianchi, N, Vena, JE, Blair, SN, Howard VJ. (2015). Patterns of prolonged, uninterrupted sedentary behavior in U.S. middle-aged and older adults. Paper presented at the International Society of Behavioral Nutrition and Physical Activity, Edinburgh, Scotland. June 3-6, 2015.
- Colabianchi, N, Hooker, SP. (2015). Association Between Built Environment Features and Physical Activity in White and Black Older Adults. Paper presented as part of symposium (Accelerometer-derived Physical Activity in Older Adults – The REGARDS Study) at the American College of Sports Medicine Annual Meeting, San Diego, CA. May, 2015.
- Colabianchi, N., Brown, D., Diez-Roux, A., Marshall, E., Yang, Y., Melendez, R., Knowles, D., Stanley, K., & Osgood, N. (2014). Environments and activity: GPS-based collection of real-time perception and behavioral data to support modeling. Poster presented at MCubed Symposium, Ann Arbor, MI. October, 2014.
- Colabianchi, N, Brown, D, Diez-Roux, A, Yang, Y, Melendez, R, Knowles, D, & Osgood, N. (2013). Environments and activity: GPS-based collection of real-time perception and behavioral data to support modeling. Poster presented at The Case for the Cube: How Real-Time Seed Funding Grows Innovation, Ann Arbor, MI. November, 2013.
- Taverno Ross, S. E., Dowda, M., Colabianchi, N., Saunders, R., & Pate, R. R. (2012). Associations between after-school settings with physical activity and sedentary behavior in 5<sup>th</sup>-grade children. Poster presented at American College of Sports Medicine (ACSM) 59<sup>th</sup> Annual Meeting, San Francisco, CA. May 29-June 2, 2012.
- Trapl, E., Borawski, E., Colabianchi, N., Litaker, D., & Taylor, H. G. (2012). impact of audio enhancement and electronic format on adolescent survey responses: a comparative study. Poster presented at the American Academy of Health Behavior, Austin, TX. March, 2012.
- Liese, A. D., Nichols, M., Bell, B. A., Freedman, D., & Colabianchi, N. (2011). Test-retest reliability of a food shopping behavior questionnaire. Poster presented at the International Society for Behavioral Nutrition and Physical Activity, Melbourne, Australia. June 15-18, 2011.

- Barnes, T. L., Freedman, D. A., Colabianchi, N., Bell, B. A., Nichols, M. D., & Liese, A. D. (2011). What's really in your neighborhood? Comparison of actual and perceived supermarket availability in primary household food shoppers in South Carolina. Poster presented at Experimental Biology (American Society for Nutrition), Washington, DC. April 9-13, 2011.
- Liese, A. D., Colabianchi, N., Lamichhane, A., Barnes, T. L., & Nichols, M. (2010). Accuracy of food outlet type designation in two secondary data sources. Poster presented at International Society of Behavioral Nutrition and Physical Activity (ISBNPA), Minneapolis, MN. June 9-12, 2010.
- Kim, J., Liu, J., Colabianchi, N., Ortaglia, A., & Pate, R. (2009). Neighborhood effects on adolescent's physical activity and sedentary behaviors. Poster presented at Annual Conference of Active Living Research, San Diego, CA. February 18-20, 2009.
- Howard, V. J., McClure, L. A., Zhang, S., Howard, G., Colabianchi, N., & Hooker, S. P. (2009). Racial and geographic differences in self-reported moderate or more physical activity: the reasons for geographic and racial differences in stroke (REGARDS) study. Poster presented at the 49<sup>th</sup> Cardiovascular Disease Epidemiology and Prevention Conference. Palm Harbor, FL. March 11-14, 2009.
- Mathews, A. E., Corwin, S. J., Friedman, D. B., Laditka, S. B., Colabianchi, N., & Montgomery, K. (2009). Content linking physical activity and cognitive health in top-circulating magazines, 2006-2008. Poster presented at the 62<sup>nd</sup> Annual Meeting of the Gerontological Society of America, Atlanta, GA. November 18 - 22, 2009.
- Mathews, A. E., Corwin, S. J., Laditka, S. B., Friedman, D. B., Colabianchi, N., & Montgomery, K. (2009). Formative research to guide the development of theory-based messages promoting physical activity and cognitive health for older adults. Poster presented at the 137<sup>th</sup> Annual Meeting of the American Public Health Association, Philadelphia, PA. November 7-11, 2009.
- Colabianchi, N., Hibbert, J., Landis, C., Davis, E., McClure, S., & Coulton, C. (2009). Adolescent conceptualizations of their neighborhood boundaries. Poster presented at American Academy of Health Behavior. Hilton Head Island, SC. March, 2009.
- Colabianchi, N., Swayampakala, K., & Morrison, A. (2007). Playground attributes associated with playground utilization and physical activity. Poster presented at 2007 National Prevention and Health Promotion Summit. November, 2007.
- Sui, X., Hooker, S. P., Colabianchi, N., Vena, J., & Blair, S. N. (2007). Cardiorespiratory fitness as a predictor of stroke in asymptomatic women. Poster presented at Tri-State Stroke Network's 6<sup>th</sup> annual Stroke Summit, Columbia, SC. May, 2007.
- Peck, L. E., Hooker, S. P., Sharpe, P. A., Pluto, D., Wilcox, S. A., Colabianchi, N., Pate, R. R., Burroughs, E. L., & Hutto, B. (2007). Promoting health through physical activity: current research of the USCPRC. Poster presented at Prevention Research Centers Meeting, Atlanta, GA. March, 2007.
- Colabianchi, N., Charvat, J., Trapl, E., McClure, S., Ievers-Landis, C. & Borawski, E. (2006). Assessing the role of the neighborhood environment on adolescent physical activity levels. Poster presented at American Academy of Health Behavior, Carmel, CA. March, 2006.
- Colabianchi, N., Charvat, J., Trapl, E., & Borawski, E. A. (2005). Who walks to school and why? Poster presented at the International Society of Behavioral Nutrition and Physical Activity, Amsterdam, The Netherlands. June 16-18, 2005.

- Colabianchi, N., Moore, S., Coulton, C., Clint, B., McClure, S., & Kinsella, A. (2005). School grounds as community parks: modifying the environment to increase physical activity. Poster presented at the Active Living Research Conference, San Diego, CA. February 24-26, 2005.
- Borawski, E. A., Trapl, E. S., Lovegreen, L. D., Landis, C., & Colabianchi, N. (2005). Time to let them fly? Role of parental monitoring, negotiating and trust in young adolescent risk behavior. Poster presented at the Society of Behavioral Medicine 27<sup>th</sup> Annual Meeting & Scientific Sessions, Boston, MA. April 13-16, 2005.
- Borawski, E. A., Trapl, E. S., Lovegreen, L. D., Block, T., & Colabianchi, N. (2004). Effectiveness of an abstinence-until-marriage curriculum among urban middle school adolescents. Poster presented at the 132<sup>nd</sup> Annual APHA Meeting, Washington, DC. November 6-10, 2004.
- Sudano, J. J., Litaker, D., & Colabianchi, N. (2004). Relationship between census-tract level measures of segregation and contextual factors deleterious to health. Poster presented at Annual National Meeting of the Association for Health Services Research, San Diego, CA. June 12-14, 2004.
- Colabianchi, N., Ievers-Landis, C.E., & Burant, C. (2004). Parental correlates of adolescent nutritional intake. Poster presented at Case Western Reserve University Research ShowCASE, Cleveland, Ohio. April, 2004.
- Borawski, E., Trapl, E., Lovegreen, L., Block, T., & Colabianchi, N. (2004). Effectiveness of an abstinence-until-marriage curriculum among urban middle school adolescents. Poster presented at 132<sup>nd</sup> APHA Annual Meeting, Washington, DC. November, 2004.
- Cotton, S., Palermo, T. M., & Colabianchi, N. (2004). Health care utilization in pediatric chronic pain: the role of pain perception and distress. Poster presented at the Child Health Conference, Charleston, SC. April, 2004.
- Trapl, E., Borawski, E., Lovegreen, L., Stork, P., Brown, J., Colabianchi, N., & Ievers-Landis, C. (2004). Use of audio-enhanced and handheld computers for a school based data collection. Poster presented at American Academy of Health Behavior, Sedona, AZ. March, 2004.
- Kintu, K., Nakabiito, C., Colabianchi, N., & Whalen, C. (2004). Predictors of disclosure of HIV status among women involved in prevention of mother to child transmission of HIV program factors associated with disclosure of HIV status among HIV infected pregnant women involved in prevention of mother to child transmission of HIV program. Poster presented at XV<sup>th</sup> International AIDS Meeting, Bangkok, Thailand. July, 2004.
- Colabianchi, N., Coulton, C., Witte, J., Albert, J., Flocke, S., & Borawski, E. (2003). Contextual Influences on Adolescent Sexual Activity. Poster presented at Research ShowCASE, Cleveland, OH. April, 2003.
- Borawski, E., Brown, J., Trapl, E., Colabianchi, N., & Ievers-Landis, C. (2003) Importance of Perceived Peer and Parental Health Beliefs, Communication, and Behaviors on Adolescent Physical Activity and Eating Habits. Poster presented at the North American Association for the Study of Obesity, Ft. Lauderdale, FL. October, 2003.
- Litaker, D., Sudano, J. J., & Colabianchi, N. (2003). Understanding the Effects of Racial Residential Segregation on Health Status. Poster presented at the 20<sup>th</sup> Annual Scientific Meeting, Academy Health, Nashville, TN. June, 2003.

Colabianchi, N., Borawski, E., Horvath, T., & Mauser, J. (2001). The role of over and under estimating behavior in predicting individual behavior. Poster presented at the Society for Prevention Research, Washington, DC. May, 2001.

Colabianchi, N., Borawski, E., & Sarver, J. (2000). Association between exercise and quality of life in a population-based sample. Poster presented at the American Academy of Health Behavior, Sante Fe, NM. September, 2000.

## TEACHING ACTIVITIES

### *Full Courses*

#### *University of Michigan*

##### *School of Kinesiology*

2023, 2016-2018 *Environmental and Policy Approaches to Increasing Physical Activity (HF 416, KIN 416)*. This course describes the manner in which environments and policies influence physical activity behavior.

2019, 2020 *Introduction to Applied Exercise Science (AES 100)*. This course introduces the various domains and career paths in the field of Applied Exercise Science.

#### *University of South Carolina*

##### *Department of Epidemiology and Biostatistics (EPID)*

2010, 2008 *Special Topics in Epidemiology: Social Epidemiology (EPID 894, EPID 794)*. Principle concepts, measurement and methodology in social epidemiology.

2010, 2007 *Epidemiology of the Health Effects of Physical Activity (EPID 820)*. Measurement of physical activity and physical activity's effect on health.

2009 *1<sup>st</sup> Semester Seminar in Epidemiology (EPID 745)*. Introduces students to a variety of epidemiological topic areas primarily through guest lectures.

2008 *2<sup>nd</sup> Semester Seminar in Epidemiology (or Writing in Epidemiology) (EPID 745)*. Writing a journal article using data analyses completed in EPID 741.

#### *Case Western Reserve University*

##### *Department of Epidemiology and Biostatistics (EPBI)*

2005, 2001 *Community Interventions and Evaluations (EPBI 433)*. Design, conduct, and assess community-based health interventions and program evaluation.

2005 *Pathophysiologic Consequences of Behavior (EPBI 412)*. Physiological mechanisms through which behavior affects bodily systems and the development/maintenance of these disease mechanisms. The use and limitations of common measures applied to disease conditions and behavior are reviewed.

2004, 2003 *Epidemiology: Application of Theory and Methodology (EPBI 491)*. In-depth course in study design and analysis: Study design (case-control, cohort, cross-sectional studies), confounding, effect modification, bias, causality, measures of effect and association, reliability/validity.

**Invited Lectures***University of Michigan*

*School of Kinesiology, Department of Epidemiology (EPID), School of Natural Resources and Environment (NRE), and Gerald R. Ford School & The National Poverty Center.*

- 2016 – 2021 Physical activity assessment. *Physical Activity and Nutrition (KIN 513 / NUTR 631).*
- 2018 Careers outside of academia. *Professional Skills for Research Skills (KIN 616).*
- 2016 Adolescent self-defined neighborhoods and activity spaces: Spatial overlap and relations to physical activity and obesity. *Graduate Seminar in Movement Science (KIN 600).*
- 2014 Social determinants of obesity. *Social Epidemiology II: Social and Economic Determinants of Population Health (EPID 617).*
- 2014 Collecting environmental data via mobile phones. *Ambient and Volunteered Environmental and Geographic Information (NRE 639.039).*
- 2014 Updates on current research findings in inequality research. *Gerald R. Ford School of Public Policy & The National Poverty Center.*

*University of South Carolina*

*Department of Epidemiology and Biostatistics (EPID) and Department of Health Promotion, Education, and Behavior (HPEB)*

- 2010 Built environment and physical activity. *Masters Seminar (EPID 745).*
- 2010 School grounds as community parks. *Social and Physical Environmental Interventions (HPEB 824).*
- 2009 Evaluation. *Application of Epidemiology in Public Health (EPID 758).*
- 2008 Built environment and physical activity. *Seminar in Epidemiology (EPID 745).*
- 2008 Evaluation. *Public Health Competencies and Epidemiology (EPID 894).*
- 2008 Environmental audits and direct observation. *Social and Physical Environmental Interventions (HPEB 824).*
- 2007 Physical activity epidemiology. *Doctoral Seminar (EPID 845).*

*Case Western Reserve University*

*Department of Epidemiology and Biostatistics (EPBI) and Department of Psychology (PSCL)*

- 2005 Effect modification and bias. *Epidemiology: Application of Theory and Methodology (EPBI 491).*
- 2004 Neighborhood effects on health, including discussion of theoretical models, statistical issues and case examples. *Health Disparities (EPBI 510).*
- 2004 Hierarchical linear models. *Graduate Seminar: Pediatric Psychology (PSCL 501).*
- 2003 Ethical issues and study design. *Ethics, Law and Epidemiology (EPBI 508).*
- 2003 Principles of study design. *Gender, Ethnicity and Health (EPBI 488).*
- 2003 Analysis of case-control studies, hierarchical linear models – statistical models and applications. *Advanced Topics in Epidemiology (EPBI 499).*
- 2003 Hierarchical linear models: application to intervention research. *Pediatric Psychology Seminar (PSCL 501).*

***Research Rotations, Independent Studies****University of Michigan**School of Kinesiology*

2018	PhD Research Rotation, Zhanjia Zhang
2018	PhD Research Rotation, Tiwaloluwa Ajibewa
2018	Independent Research in Kinesiology (Master's Level), Catherine Cheung
2017	Independent Research in Kinesiology (Master's Level), Catherine Cheung
2017	Independent Study, Ross Baiers
2016	PhD Research Rotation, Kara Palmer

**JUNIOR FACULTY, POST-DOCTORAL FELLOWS, GRADUATE, and UNDERGRADUATE STUDENT MENTORSHIP*****Junior Faculty Mentoring****University of Michigan*

2023 - Present	Laura Richardson, PhD, Clinical Associate Professor, Kinesiology
2019 – Present	Lindsey Lepley, PhD, Assistant Professor, Kinesiology
2019 – 2020	Weiyun Chen, PhD, Associate Professor, Kinesiology, R01 Boot Camp
2019 – 2020	Kendrin Sonnevile, PhD, Assistant Professor, Nutritional Sciences, R01 Boot Camp
2019 – 2020	Jennie Jester, PhD, Associate Research Scientist, Psychiatry, R01 Boot Camp
2019 – 2020	Brigid Gregg, PhD, Assistant Professor, Pediatrics, R01 Boot Camp
2019 – 2020	Riana Elyse Anderson, Assistant Professor, Health Behavior and Health Education, R01 Boot Camp

***Post-Doctoral Fellows****University of Michigan*

2018 – 2020	Yeonwoo Kim, PhD
2014 – 2015	Emily Marshall, PhD
2012 – 2013	Nancy Hood, PhD

***PhD Students****University of Michigan (PhD Students in Movement Science unless otherwise noted)*

2022 – Present	Michele Marenus, Committee Member, <i>Workplace Culture of Health and Employee Wellbeing</i>
2021 - Present	Loubna Baroudi (Mechanical Engineering), Cognate Member, <i>Evaluating the influence of context on human walking in the real world</i>

- 2018 – Present Matthew Stewart, Chair, *Modeling the associations between aerobic physical activity, resilience, and psychological stress; the role of socio-environmental context and demographic characteristics in university students*
- 2022 Jung Yeon Won (Biostatistics), Cognate Member, *Statistical methods for exposure measurement error in built environment studies*
- 2021 Katelyn Webster (Nursing), Cognate Member, *Feasibility and acceptability of an intervention to reduce sedentary behavior and increase light physical activity in assisted living residents. Supported by F31.*
- 2021 Erica Twardzik, Chair, *Neighborhood environmental facilitators and barriers of stroke survivors' mobility and functioning status; Supported by F31.*
- 2020 Zhanjia Zhang, Committee Member, *Physical activity and psychological well-being in older adults.*
- 2018 Morgan Clennin, Cognate Member, (Exercise Science) *Neighborhood socioeconomic environment and its influence on cardiorespiratory fitness and physical activity in youth.*
- 2017 Gaurav Paruthi (School of Information), Cognate Member, *Principles for designing context-aware applications for physical activity.*
- 2015 Heidi Buchele, Committee Member. *Impact of technology-enhanced physical activities on motivation and executive function in school-aged children.*
- 2014 Yung-Ju Chang (School of Information), Cognate Member. *Using and collecting annotated behavioral trace data for designing and developing context aware application.*

*University of South Carolina (PhD Students in Epidemiology unless otherwise noted)*

- 2012 Timothy Barnes, Committee Member. *Perceptions and objective measures of the built environment.*
- 2012 Jorge A Banda, Cognate Member. (Exercise Science). *Examining park-based physical activity in low income rural communities.*
- 2011 Maggi Chandlee Miller, Committee Member. *Measuring trust in community-based and congregation-based groups in South Carolina: A psychometric analysis and exploration of trust, group characteristics and health.*
- 2010 Andrea Maslow, Chair. *Exploring the relationships between measures of physical activity, cardiorespiratory fitness, adiposity, & hypertension.*
- 2010 Rui Lui, Committee Member. *The association of physical activity and muscular strength on mental health benefits.*
- 2009 Anna Matthews, Cognate Member (Health Promotion, Education and Behavior). *Physical activity messages and brain health.*
- 2008 David Parker, Chair. *HIV risk behaviors and knowledge: Associations with HIV prevalence in Estonia.*

- 2007 Angela Merlo-Rains, Cognate Member (Physical Therapy Program [DPT]). *The analysis and comparison of accelerometer measurements of physical activity in individuals post-stroke: A pilot study.*

*Case Western Reserve University (PhD Students in Epidemiology unless otherwise noted)*

- 2007 Erika Trapl, Committee Member. *Effect of data collection mode on the relationships between survey environment, cognitive burden, privacy and data outcomes.*
- 2006 Angelique Stubblefield, Committee Member. *Healthcare utilization and risk for intentional injury death among Ohio children enrolled in Medicaid, 1992-1998.*
- 2006 Jessica Diggs, Committee Member. *The impact of Medicaid expansion initiatives and county characteristics on the health and healthcare access of Ohio's children.*
- 2006 Ahmad Al-Rawashdeh, Cognate Member (Nursing). *Psychosocial characteristics of youth who run away from home.*
- 2005 Tanya Scharf, Chair. *Functional status and quality in home health care.*
- 2004 Ahmad Bahat Hussein Al-Duhoun, Cognate Member (Nursing). *Effect of cardiac rehabilitation attendance on social support for exercise, motivation, and self efficacy for exercise after cardiac events.*

***Master's Students***

*University of Michigan (Master's in Movement Science unless otherwise noted)*

- 2017 – 2018 Konsuela Bolton, Academic Advisor
- 2016 – 2018 David Burke, Research Assistant, Academic Advisor

*University of South Carolina (Master's in Epidemiology and Biostatistics unless otherwise noted)*

- 2009 Wright Culpepper, Chair. *The relationship between sports participation and adolescent obesity.*
- 2008 Madhavan Srinivasaraghaven, Chair. *Fibrinogen, HDL, physical fitness and CVD death.*
- 2008 Andrea Maslow, Committee Member. *Muscular strength and incident hypertension.*

*Case Western Reserve University (Master's in Epidemiology and Biostatistics unless otherwise noted)*

- 2005 Michael Vaezi, MD, PhD, Chair. *Laryngeal cancer and gastroesophageal reflux disease: A case control study.*
- 2004 Erika Trapl, Committee Member. *Use of audio-enhanced handheld computers for a school based data collection.*
- 2004 Kenneth Kintu, MD, Committee Member. *Factors affecting HIVNET012 regimen use for prevention of HIV perinatal transmission in a field setting – Uganda.*



- 2003 Jackie Charvet, Committee Member. *Comparison of behavioral risk factors of in-school and out-of-school 18 year olds from multiple surveillance systems.*
- 2003 Jennifer Hanrahan, DO, Committee Member. *Investigation of an outbreak of multiresistant enterobacter cloacae in a burn unit.*

### **MPH Students**

#### *Case Western Reserve University*

- 2004 Alicia Sokol, Capstone Content Advisor. *Employee influenza vaccine survey, analysis and intervention at the Cleveland Clinic.*
- 2003 Audrey Kinsella, Capstone Advisor, Chair. *Mapping “hot houses” for childhood lead poisoning prevention in Cleveland neighborhoods.*
- 2002 Beena Minai, Capstone Advisor, Chair. *Is there a relationship between medication delivery technique and improvement in pulmonary function in children with asthma? Results from a Specialized Pediatric Asthma Compliance and Technique (PACT) clinic.*

### **Medical Students**

#### *Case Western Reserve University*

- 2003 Connie Liu, Research Advisor. *Food environment described by measures of healthy food selection.* Funded by the David E. Rodgers Fellowship.

### **Undergraduate Students**

#### *University of Michigan*

- 2022 - Present Sabrenda Braceful, Undergraduate Research Opportunity Program
- 2022 - Present Nairobi Jones, Undergraduate Research Opportunity Program
- 2022 - Present Charlotte Vincent, Undergraduate Research Opportunity Program
- 2020 – Present Anna Fischer, Undergraduate Research Opportunity Program, Research Assistant
- 2020 – Present Safra Arevalo, Undergraduate Research Opportunity Program, Research Assistant
- 2020 – 2022 Andrew Hoover, Undergraduate Research Opportunity Program, Research Assistant
- 2020 – 2022 Cameron Slavkin, Undergraduate Research Opportunity Program, Research Assistant
- 2019 – 2022 Claire Rose, Undergraduate Research Opportunity Program, Research Assistant
- 2019 – 2022 Fatima Ali-Khodja, Summer Youth Employment Program, Research Assistant
- 2019 – 2022 Erin Evans, Research Assistant
- 2020 – 2021 April Choe, Undergraduate Research Opportunity Program, Research Assistant
- 2020 – 2021 Emily Saito, Undergraduate Research Opportunity Program, Research Assistant
- 2019 – 2021 Gina Liu, Undergraduate Research Opportunity Program, Research Assistant
- 2019 – 2021 Avery Hall, Research Assistant
- 2019 – 2020 Stephanie Ganzi, Undergraduate Research Opportunity Program

2015 – 2020 Katherine Bromm, Undergraduate Research Opportunity Program, Research Assistant  
2019 Kristy McInnes, Research Assistant  
2019 Hannah French, Research Assistant  
2018 – 2019 Farhana Chowdhury, Undergraduate Research Opportunity Program  
2017 – 2019 Devin Nelson, Research Assistant  
2016 – 2019 Ross Baiers, Independent Study Research Assistant, Research Assistant  
2018 Michelle Iqbal, Research Assistant  
2017 – 2018 Catherine Cheung, Independent Study Research Assistant, Research Assistant  
2017 Kara Callaghan, Research\_Assistant  
2017 Alyssa Sloan, Research Assistant  
2015 – 2016 Hunter Holsinger, Undergraduate Research Opportunity Program  
2015 – 2016 Paul Zamarripa, Undergraduate Research Opportunity Program  
2015 – 2016 Adena Gabrysiak, Undergraduate Research Opportunity Program  
2013 – 2015 Taylor Nezich, Undergraduate Research Opportunity Program, Research Assistant,  
Senior Thesis  
2014 Armani Hawes, Survey Research Center Summer Fellow