

# NATALIE COLABIANCHI, PH.D.

Curriculum Vitae

April, 2016

Associate Professor  
University of Michigan  
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## EDUCATION

- PhD                    Epidemiology and Biostatistics, 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 2015 – Present    **Associate Professor**, Health and Fitness, School of Kinesiology, University of Michigan
- July 2011–Present            **Research Assistant Professor**, Survey Research Center  
                                      Institute for Social Research, University of Michigan
- March 2006–July 2011       **Assistant Professor**, Department of Epidemiology and Biostatistics  
                                      University of South Carolina
- July 2002–February 2006    **Assistant Professor**, Department of Epidemiology and Biostatistics  
                                      Case Western Reserve University

## HONORS AND AWARDS

- 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

## PROFESSIONAL SERVICE

### International

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

2014	NIH Grant Reviewer, Healthcare Delivery and Methodology (HDMV 03) Special Emphasis Panel, Center for Scientific Review
2013	NIH Grant Reviewer, Risk, Prevention, and Health Behavior Special Emphasis Panel (ZRG1 RPHB-N(03)), Center for Scientific Review
2013	NIH 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
2005–2010	Grant Reviewer, Robert Wood Johnson Foundation, Active Living Research
2009–2010	Policy Brief Reviewer, Robert Wood Johnson Foundation
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**

2015 – Present    Advisory Committee for Recreational Sports

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

2013-2015        Director’s Advisory Committee on Diversity, Committee member

2011-2014        Regula Herzog Young Investigators Fund, Committee member

2012-2013        Faculty Research Fellow Review Committee, Committee member

**University of South Carolina: University Service**

2008–2010        T32 Predoctoral Mentor, interfacing behavioral and biomedical science

**University of South Carolina: School of Public Health**

2010–2011        ASPH, Strategic Research Planning Task Force Member

2010–2011        Search Committee, Chair for Department of Epidemiology and Biostatistics

2006–2011        MPH in Physical Activity & Public Health Coordinating Committee, Arnold School of Public Health

2007–2010        ASPH Curriculum Committee

2006–2007        Search Committee, Exercise Science- Children’s Physical Activity Research Group

2006                Review Committee, Center for Research in Nutrition and Health Disparities Seed Grant awards

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

2006–2011        Epidemiology Admissions Committee

2009–2011        Epidemiology Research Committee

2007–2010        Epidemiology Curriculum Committee, Chair

2009–2010        Epidemiology Search Committee, Assistant/Associate Professor

2007–2008        Epidemiology Exam Committee

2006–2007        Epidemiology Search Committee, FEI Search on Childhood Obesity

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

2004–2006        MPH Accreditation Advisory Council

2003                New Behavioral Epidemiology Specialization, Co-developed new specialization in Epidemiology, including new curriculum and courses

2003–2006        Track Leader MPH Program, Health Promotion and Disease Prevention Track

2003                Admission Committee

2003                Comprehensive Exam Coordinator – Part 1

2002–2006        Women Faculty of the School of Medicine, Case Western Reserve University

**Community**

2013-Present     Healthy Out-of-School Time Coalition member

- 2004–2006 Member, Mayor’s Bike and Pedestrian Advisory Committee, City of Cleveland
- 2004–2006 Leadership Committee, Steps to a Healthier Cleveland, Cleveland Department of Public Health
- 2003–2006 Community Advisory Board, Active Living By Design, Slavic Village Development Corporation
- 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
- 2003–2004 Steering Committee, Clevelanders in Motion, City-wide think-tank on obesity
- 2001–2004 Steering Committee, Cuyahoga County Comprehensive Partnership for Tobacco Reduction
- 2003 Review Committee, Local Tobacco Prevention/Cessation Grants, Cuyahoga County Board of Health
- 2003 Case for Community Day, Organized 10 member team, Case Western Reserve University
- 2002 Review Committee, Federal HIV Prevention Grants, Cleveland Department of Public Health

**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
- 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**

- 2009–present International Society for Physical Activity and Health

2003–present	International Society of Behavioral Nutrition and Physical Activity
2000–present	American Public Health Association
2000–present	Society of Behavioral Medicine

## RESEARCH SUPPORT

### *Pending*

**Co-investigator, *Health, Wealth and Time Use Over the Life Course and Across Generations***

NIH/NIA; 9/1/2016 – 8/31/2021

\$12,394,556 total costs; 1.2 calendar months

Scored 3<sup>rd</sup> percentile; Awaiting council review.

**Co-investigator, *A Positive PATH (Promoting Activity and Trajectories of Health) for Children***

NIH/NHLB; 7/1/2016-6/30/2021

\$2,667,929; 2 academic months

Scored 13<sup>th</sup> percentile; Awaiting council review.

**Co-investigator, *Interrupting prolonged sitting with activity to improve cardiometabolic outcomes in children: the role of frequency, duration and intensity***

NIH; 09/01/2016 – 8/31/2021

\$2,750,739; 0.9 academic months

Awaiting peer review

**Co-investigator, *Effects of Brain-Engaging Coordinative Aerobic Physical Activity Intervention on BMI and Academic Achievement***

NIH; 09/01/2016 – 8/31/2019

\$465,000; 0.45 academic months

Awaiting peer review

### ***Current Federally Funded Studies***

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

NIH/NINDS; 2/1/2016 – 1/31/2020

\$2,500,000 total costs; 3.5 calendar months

This study will examine the role of built and social environments on stroke risk and stroke disparities. The study will add built and social environmental data (e.g., food prices, supermarket availability, park land, crime, neighborhood deprivation) to the REGARDS cohort (Reasons for Geographic and Racial Disparities in Stroke).

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

NIH/NCI; 4/9/2015 – 3/31/2017

\$397,137 total costs; 2.4 calendar months

This study will utilize an innovative new technology developed by NASA called GigaPan to document neighborhood environments. GigaPan takes hundreds of photos using an everyday camera and automatically stitches the photos together to provide a single, navigable, very high resolution photo. This method of documenting environments will be compared to audits of environments completed in-person and via Google Earth. The neighborhood characteristics defined from each of these methods will be associated with the physical activity behavior of the participants in the parent study as measured by accelerometry.

**Principal Investigator**, *Impact of public housing assistance on modifiable cancer risk factors in adults*  
NIH/NCI; 04/01/2014-03/31/2016  
\$155,313 total costs; 1.5 calendar months

Using data from the Panel Study of Income Dynamics, a large nationally representative survey, this study will test whether living in public housing improves several health behaviors (e.g., physical activity, obesity, alcohol use, cigarette use) that decrease one's chance of getting cancer. The study will also examine neighborhood and individual-level factors as potential mediating factors with the goal to inform health promotion programs and housing policies.

**PI of subcontract**, *Physical Activity During the Transition from Elementary School to High School*  
NIH/NHLBI; 1/1/2014–1/31/2017; Pate, PI  
\$82,251 subcontract total costs; 0.6 calendar months

This study (TRACK-2) extends an existing observational cohort study (TRACK-1, N = 1000) to identify salient factors that explain the changes in physical activity that occur as children transition from elementary school through middle school and into high school. Major goals of the study are to inform future physical activity interventions and to expand the body of knowledge regarding the relationship between physical activity and selected health indicators, including body fatness, during childhood and adolescence.

**PI of subcontract**, *Impact of Green Space Improvement on Physical Activity in a Low Income Community*  
NCI; 07/01/2012–06/30/2017; Dubowitz, PI  
\$230,201 subcontract total costs; 1.8 calendar months

This study will engage a large random sample (N = 1320) of households from 2 neighborhoods. We will collect individual-level data, greenspace utilization, and greenspace user data at baseline and 12-18 months post-renovations in order to: 1. Determine the impact of greenspace renovations on PA measured by accelerometry and self-report. 2: Examine greenspace utilization for PA before and after renovations through direct observation and user surveys in the intervention and control neighborhoods. 3: Examine mediation and moderation.

**Co-investigator**, *Determining the Potential Benefit of Powered Prostheses*  
Department of Defense; 9/1/2015 – 8/31/2017  
\$499,194 total costs; 1.5 calendar months

The goal of this project is to determine how the addition of power to a prosthetic ankle system affects neuromuscular control, muscle fatigue, and overall activity level of people with transtibial amputations. Activity levels will be determined via accelerometry and integration into the community will be determined via GPS.

**Co-investigator**, *Linking Geographic Data on Food Accessibility to the PSID*

Clark R. Smith Family Foundation, 01/01/2016 – 12/31/2016  
\$200,000 total costs; 0.6 calendar months

This proposal will create a new data source linking the geographic location of families in the Panel Study of Income Dynamics (PSID) with the geographic location of supermarkets and convenience stores so that the distance families live from reliable sources of fresh and nutritious food can be calculated. The overall aim of this project is to contribute to our knowledge about the relations between food accessibility and children's and families' well-being in the U.S., and to provide a public good that can be used by researchers worldwide.

**Currently Funded Pilot Studies**

**Principal Investigator**, *Using a Mobile Phone Application to Assess Time Use, Physical Activity and Obesity*

UM Momentum Center; 11/01/2014 – 10/31/2016

\$25,000 total costs; 0 calendar months (pilot study)

The goal of this pilot study is to test the feasibility and acceptability of a new method of collecting real-time time-use data among older adolescents/young adults—specifically, via a mobile phone application. We will track activities that occur throughout the day with concurrent accelerometer and GPS data collection. The data from this pilot study will be used to generate preliminary estimates of key relationships of interest (e.g., the association between time spent in activities that are sedentary, active, planned, unplanned) and to inform power calculations for a future larger-scale study.

**Co-Investigator**, *Unlocking the potential of mobile big data for behavioral research*

UM MCubed, 11/2015 – 4/2017

\$60,000, 0 Calendar months (pilot study)

Data provided by mobile phones have the power to revolutionize our ability to understand and improve behavioral choices around, for example physical activity, travel behavior, social connections, etc. Capitalizing on this large quantity of data could be greatly enhanced by soliciting small amounts of user input in real-time around specific situations that are of interest. To do this, we need to develop reliable mechanisms to trigger context-specific real-time user input queries. We also need to develop algorithms that can maximize the trade-off of certainty of information versus user burden. In this project we will develop mechanisms to trigger user inquiries to enhance the interpretability of other data from the phone and use machine learning to identify ideal moments to request user input. The results of this study will help us and other researchers unlock the potential of behavioral "big data" from mobile phones.

***Completed Federally Funded and Foundation Grants***

**Principal Investigator**, *Effects of the Built Environment, Crime & Food Prices on BMI, Activity & Eating*

1R01CA132896-01A2 NIH/ National Cancer Institute; 12/04/2009–11/30/2014  
\$1,085,197; 2.0 calendar months

**Principal Investigator**, *Objectively Measuring Physical Activity Space and Food Environments*

58012 Robert Wood Johnson Foundation; 08/01/2006–01/31/2009  
\$51,361; 0.45 Academic, 0.15 Summer

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

R21 CA121151-01, NIH/National Cancer Institute; 09/15/2005–08/31/2008  
\$ 382,387; 2.25 Academic, 0.75 Summer

**Principal Investigator**, *School Grounds as Community Parks: Modifying the Environment to Increase Physical Activity*

Robert Wood Johnson Foundation; 07/2004–11/2005  
\$99,992; 3.0 calendar months

**Principal Investigator**, *Environmental Influences on Physical Activity*

American Cancer Society Institutional Research Grant; 01/2004–12/2004  
\$20,000 (direct); 20% in-kind

**PI of subcontract**, *Impact of Physical Activity on Stroke and Cognitive Function in Older Adults*

NIH/NINDS; 10/01/2008–07/31/2014  
\$21,526 subcontract total costs; 0.8 calendar months; Hooker, PI

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

NIH/NHLBI; 04/15/2009–12/31/2013  
\$3,318,599; 1.8 calendar months; Pate, PI

**Co-investigator**, *Youth, Education & Society (YES) project*

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

**Co-Investigator**, *Health Promotion and Disease Prevention Research Center*

CDC; 09/30/2009–09/29/2014  
\$4,965,699; 0.45 Academic, 0.15 Summer; Hooker, PI

**Co-investigator**, *Developing Measures of the Built Nutrition Environment - Supplement.*

NIH/NCI; 06/01/2009–05/31/2011  
\$149,197; 0.45 Academic, 0.15 Summer; Liese, PI

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

NIH; 07/01/2009–06/30/2011  
\$1,216,393; .72 Academic, .24 Summer; Wilson, PI

**Co-investigator**, *Developing Measures of the Built Nutrition Environment*

NIH; 06/01/2008–05/31/2011  
\$513,648; 0.45 Academic, 0.15 Summer; Liese & Lawson, PI



**Co-Investigator**, *Long-term effect of social environments on activity patterns and overweight among US adolescents*

1R40MC08958-01-00, Health Resources and Services Administration; 02/1/2008–01/31/2009  
\$69,397; 0.45 Academic, 0.15 Summer; Lui, PI

**Co-Investigator**, *Health Promotion and Disease Prevention Research Center*

U48-DP-000051, CDC; 09/30/2004–09/29/2009  
\$4,281,088; 0.45 Academic, 0.15 Summer; Hooker, PI

**Co-Investigator**, *Active Living by Design: Connecting Cleveland Communities: Design for a Healthy Neighborhood*

Robert Wood Johnson Foundation; 11/2003–10/2007  
\$200,000 (direct); 5% (in-kind); Reichtell, Slavic Village Development Corporation, PI

**Co-Investigator**, *Abstinence vs. Safe-Sex Education to Middle School Teens*

NICHD (R01 HD413-64); 06/2002–05/31/06  
\$1,476,950; 10%; Borawski, PI

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

**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)

**Co-investigator**, *Outdoor Child Physical Activity and Neighborhood Environment—Preliminary Data for Trial of Impact of Safe Playspaces for Children on Child Physical Activity*

USC - Research Consortium on Children and Families; 05/15/2007–11/15/2007  
\$20,956; 0.45 Academic (in-kind); Meriwether, PI

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

**Principal Investigator**, *Evaluation of STEPS to a Healthier US: Cleveland Proposal*

Health and Human Services/Centers for Disease Control and Prevention; 11/04–10/05  
\$180,909; 25%; Cleveland Department of Public Health

**Principal Investigator**, *Evaluation of the Invest in Children Lead Primary Prevention*

Cuyahoga County Commissions and Local Foundations; 01/2005–06/2005  
\$5,512; 18%

**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  
\$99,000; 10%; Borawski, PI

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

## PUBLICATIONS

### *Peer-Reviewed Journal Articles*

1. Barnes TL, Colabianchi N, Hibbert JD, Porter DE, Lawson AB, Liese AD. Scale effects in food environment research: Implications from assessing socioeconomic dimensions of supermarket accessibility in an eight-county region of South Carolina. *Appl Geogr.* 2016 Mar;68:20-27. PubMed PMID: 27022204; PubMed Central PMCID: PMC4807632.
2. Diaz KM, Howard VJ, Hutto B, Colabianchi N, Vena JE, Blair SN, Hooker SP. (2015) Patterns of Sedentary Behavior in US Middle-Age and Older Adults: The REGARDS Study. *Med Sci Sports Exerc.* 2015 Oct 12. [Epub ahead of print] PubMed PMID: 26460633
3. Barnes TL, Freedman DA, Bell BA, Colabianchi N, Liese AD. (2015) Geographic measures of retail food outlets and perceived availability of healthy foods in neighbourhoods. *Public Health Nutr.* 2015 Oct 2:1-7. [Epub ahead of print] PubMed PMID: 26427621.
4. Zhu, W., Zhu W, Howard VJ, Wadley VG, Hutto B, Blair SN, Vena JE, Colabianchi N, Rhodes D, Hooker SP. Association Between Objectively Measured Physical Activity and Cognitive Function in Older Adults-The Reasons for Geographic and Racial Differences in Stroke Study. *J Am Geriatr Soc.* 2015 Dec;63(12):2447-2454. doi: 10.1111/jgs.13829. PubMed PMID: 26691697; PubMed Central PMCID: PMC4688903.
5. Pate RR, McIver KL, Colabianchi N, Troiano RP, Reis JP, Carroll DD, Fulton JE. (2015) Physical Activity Measures in the Healthy Communities Study. *Am J Prev Med.* 2015 Oct;49(4):653-9. doi: 10.1016/j.amepre.2015.06.020. PubMed PMID: 26384937; PubMed Central PMCID: PMC4578728.
6. Colabianchi N, Griffin JL, Slater SJ, O'Malley PM, Johnston LD. (2015) The Whole-of-School Approach to Physical Activity: Findings From a National Sample of U.S. Secondary Students. *Am J Prev Med.* 2015 Sep;49(3):387-94. doi:10.1016/j.amepre.2015.02.012. Epub 2015 Jul 15. PubMed PMID: 26188684; PubMed Central PMCID: PMC4546850. Method D journal – in process.
7. Barnes, T. L., Freedman, D. A., Colabianchi, N., Bell, B. A., & Liese, A. D. (2015). Do people really know what food retailers exist in their neighborhood? Examining GIS-based and perceived presence of retail food outlets in an eight-county region of South Carolina. *Spatial and Spatio-Temporal Epidemiology*, 13, 31-40. doi:10.1016/j.sste.2015.04.004. PMC4457938.
8. Hooker, S. P., Hutto, B., Zhu, W., Blair, S. N., Colabianchi, N., Vena, J. E., Rhodes, D., Howard, V. J. (2015). Accelerometer measured sedentary behavior and physical activity in white and black adults: The REGARDS study. *Journal of Science and Medicine in Sport.* Advance online publication. doi:10.1016/j.jsams.2015.04.006. PMID: 25937313.

9. Howard, V. J., David Rhodes, J., Mosher, A., Hutto, B., Stewart, M. S., Colabianchi, N., Vena, J. E., Blair, S. N., & Hooker, S.P. (2015). Obtaining accelerometer data in a national cohort of Black and White adults. *Medicine and Science in Sports and Exercise*, 47(7), 1531-1537. doi:10.1249/MSS.0000000000000549. PMC4404169.
10. McDonald, S. M., Dowda, M., Colabianchi, N., Porter, D., Dishman, R. K., & Pate, R. R. (2015). Perceptions of the neighborhood environment and children's afterschool moderate-to-vigorous physical activity. *Pediatric Exercise Science*, 27(2), 243-251. doi:10.1123/pes.2014-0139. PMID: 25679820.
11. Miller, M. C., Pope, H. C., Wolfer, T. A., Mann, J. R., Hussey, J. R., Colabianchi, N., & McKeown, R. E. (2015). Psychometric analysis of a scale to assess particularized trust in families and community- and congregation-based groups. *Journal of Community Psychology*, 43(2), 227-243. doi:10.1002/jcop.21675. Method D journal – in process.
12. Wilson, D. K., Van Horn, M. L., Siceloff, E. R., Alia, K. A., St. George, S. M., Lawman, H. G., Trumpeter, N. N., Coulon, S. M., Griffin, S. F., Wandersman, A., Egan, B., Colabianchi, N., Forthofer, M., & Gadson, B. (2015). The results of the "Positive Action for Today's Health" (PATH) Trial for increasing walking and physical activity in underserved African-American communities. *Annals of Behavioral Medicine*, 49(3), 398-410. doi:10.1007/s12160-014-9664-1. PMC4426390.
13. Wiecha, J. L., Beets, M. W., Colabianchi, N., Ferree, A., Hall, G., Hofman, J., & Rauworth, A. (2014). Promoting physical activity in out-of-school-time programs: We built the bridge—Can we walk over it? *Preventive Medicine*, 69, Suppl 1, S114-116. doi:10.1016/j.ypmed.2014.10.027. PMID: 25450493. Method D journal – in process.
14. Hood, N. E., Colabianchi, N., Terry-McElrath, Y. M., O'Malley, P. M., & Johnston, L.D. (2014). Physical activity breaks and facilities in US secondary schools. *Journal of School Health*, 84(11), 697-705. doi:10.1111/josh.12206. PMC4185395.
15. Liese, A. D., Bell, B. A., Barnes, T. L., Colabianchi, N., Hibbert, J. D., Blake, C. E., & Freedman, D. A. (2014). Environmental influences on fruit and vegetable intake: Results from a path analytic model. *Public Health Nutrition*, 17(11), 2595-2604. doi:10.1017/S1368980013002930. PMC4024083.
16. Hood, N. E., Turner, L., Colabianchi, N., Chaloupka, F. J., & Johnston, L. D. (2014). Availability of drinking water in US public school cafeterias. *Journal of the Academy of Nutrition and Dietetics*, 114(9), 1389-1395. doi:10.1016/j.jand.2014.02.001. PMID: 24726348.
17. Banda, J. A., Wilcox, S., Colabianchi, N., Hooker, S. P., Kaczynski, A. T., & Hussey, J. (2014). The associations between park environments and park use in southern US communities. *Journal of Rural Health*, 30(4), 369-378. doi:10.1111/jrh.12071. PMC4395031.

18. Yang, Y., Diez-Roux, A., Evenson, K. R., & Colabianchi, N. (2014) Examining the impact of the walking school bus with an agent-based model. *American Journal of Public Health, 104*(7), 1196-1203. doi:10.2105/AJPH.2014.301896. PMC4056201.
19. Terry-McElrath, Y. M., Hood, N. E., Colabianchi, N., O'Malley, P. M., & Johnston, L. D. (2014). Profits, commercial food supplier involvement, and school vending machine snack food availability: Implications for implementing the new competitive foods rule. *Journal of School Health, 84*(7), 451-458. doi:10.1111/josh.12165. PMID: 24889082. Method D journal – in process.
20. Slater, S., & Colabianchi, N. (2014). What influences park use and physical activity? *Translational Behavioral Medicine, 4*(2), 130. doi:10.1007/s13142-014-0255-2. PMC4041932.
21. Colabianchi, N., Coulton, C. J., Hibbert, J. D., McClure, S. M., Ievers-Landis, C. E., & Davis, E. M. (2014). Adolescent self-defined neighborhoods and activity spaces: Spatial overlap and relations to physical activity and obesity. *Health & Place, 27*, 22-29. doi:10.1016/j.healthplace.2014.01.004. PMC4102421.
22. Hutto, B., Howard, V. J., Blair, S. N., Colabianchi, N., Vena, J. E., Rhodes, D., & Hooker, S. P. (2013). Identifying accelerometer nonwear and wear time in older adults. *International Journal of Behavioral Nutrition and Physical Activity, 10*, 120. doi:10.1186/1479-5868-10-120. PMC4015851.
23. Blake, C. E., Bell, B. A., Freedman, D. A., Colabianchi, N., & Liese, A. D. (2013). The Eating Identity Type Inventory (EITI). Development and associations with diet. *Appetite, 69*, 15-22. doi:10.1016/j.appet.2013.05.008. PMC3746737.
24. Liese, A. D., Barnes, T. L., Lamichhane, A. P., Hibbert, J. D., Colabianchi, N., & Lawson, A. B. (2013). Characterizing the food retail environment: impact of count, type, and geospatial error in 2 secondary data sources. *Journal of Nutrition Education and Behavior, 45*(5), 435-442. doi:10.1016/j.jneb.2013.01.021. PMC3713101.
25. Hood, N. E., Colabianchi, N., Terry-McElrath, Y. M., O'Malley, P. M., & Johnston, L. D. (2013) School wellness policies and foods and beverages available in schools. *American Journal of Preventive Medicine, 45*(2), 143-149. doi:10.1016/j.amepre.2013.03.015. PMID: 23867020. Method D journal – in process.
26. Pate, R. R., O'Neill, J. R., Liese, A. D., Janz, K. F., Granberg, E. M., Colabianchi, N., Harsha, D. W., Condrasky, M. M., O'Neil, P. M., Lau, E. Y., & Taverno Ross, S. E. (2013). Factors associated with development of excessive fatness in children and adolescents: a review of prospective studies. *Obesity Reviews, 14*(8), 645-658. doi:10.1111/obr.12035. PMID: 23601571. Method D journal – in process.
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### **Briefs**

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- 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)



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### ***Book Chapters and Entries***

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### ***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.

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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.

Coulton, C., **Colabianchi**, N., & Cook, T. B. (2001). An analysis of differences in health status measures among neighborhoods within metro counties of Ohio. Prepared for Ohio Department of Health.

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### ***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***

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 (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., Chriqui, 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*

**Colabianchi, N., Judd, S., Clarke, P., Blair, S., Howard, V., Hutto, B., & Hooker, S. (2015, May).** 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. Given by Steven Hooker.

**Colabianchi, N., Griffin, J. L., Slater, S. J., O'Malley, P. M., & Johnston, L. D. (2014, April).** 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.

- Hood, N. E., **Colabianchi**, N., Terry-McElrath, Y. M., O'Malley, P. M., & Johnston, L. D. (2013, May). 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.
- Kassandra, A. A., Wilson, D. K., **Colabianchi**, N., Meyers, D., McKenzie, T., & Ainsworth, B. (2013, March 20-23). 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.
- 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.
- Colabianchi**, N., Chriqui, 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.
- Barnes, T. L., **Colabianchi**, N., Bell, B. A., Freedman, D. A., Hibbert, J. D., & Liese, A. D. (2012, August 26-30). 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.
- Colabianchi**, N., Terry-McElrath, Y. M., Johnston, L. D., & O'Malley, P. M. (2012, April). 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.
- 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. 4th International Congress of Physical Activity and Public Health, Sydney, Australia.
- Maslow, A. L., Bottai, M., Hooker, S. P., Blair, S. N., & **Colabianchi**, N. (2011, June). Agreement between four different methods assessing physical activity or cardiorespiratory fitness. American College of Sports Medicine annual meeting, Denver, CO.
- 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, June). 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.
- Liese, A. D., Freedman, D. A., & **Colabianchi**, N. (2011, June 15-18). 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.

- Liese, A. D., Bell, B. A., Nichols, M., **Colabianchi, N.**, Hibbert, J. D., Freedman, D., Barnes, T., & French, S. (2011, June 15-18). 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.
- 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, May). 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 Trials meeting, Vancouver, Canada.
- Banda, J., **Colabianchi, N.**, & Hooker, S. P. (2011, April). Measuring park usage and Park Environments in Low Income, Rural Communities. Annual CDC Prevention Research Center conference, Atlanta, GA.
- Blake, C., Liese, A. D., Nichols, M. D., Jones, S., Freedman, D., & **Colabianchi, N.** (2011, April 9-13). 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.
- Blake, C., Liese, A. D., Nichols, M. D., Jones, S., Freedman, D. A., & **Colabianchi, N.** (2011, April 9-13). Construct validity of a short 12-item tool to assess eating identity. Experimental Biology (American Society for Nutrition), Washington, DC.
- Liese, A. D., **Colabianchi, N.**, Hibbert, J. D., Nichols, M. D., & Freedman, D. A. (2011, April 9-13). Association of supermarket availability, accessibility and utilization with dietary intake. Experimental Biology (American Society for Nutrition), Washington, DC.
- Colabianchi, N.**, Hibbert, J. D., Coulton, C. J., Ievers-Landis, C. E., & Davis, E. M. (2011, April). An examination of adolescents' physical activity space and relationships with self-defined and buffer-defined neighborhood boundaries. Society of Behavioral Medicine, Washington, DC.
- Colabianchi, N.**, Coulton, C. J., Hibbert, J. D., Ma, X., Davis, E. M., & Ievers-Landis, C. E. (2011, March 18). 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.
- Liese A. D., Hibbert J., **Colabianchi, N.**, & Freedman D. (2010, June 9-12). 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.
- 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.
- Colabianchi, N.**, Coulton, C., Davis, E., Ievers-Landis, C., Zyzanski, S., McClure, S., Bennett, M., Maslow, A., Hibbert, J., Cader, M., & Kinsella, A. (2009, August 13-14). Defining the Built Environment. Paper presented at Obesity and Built Environment Grantees meeting, Triangle Park, NC.

- Ward, D. S., Dowda, M., **Colabianchi**, N., Pfeiffer, K., McIver, K., Porter, D., & Pate, R. (2008, May 28-31). Do facilities close to school support physical activity in high school girls? Paper presented at American College of Sports Medicine, Indianapolis, IN.
- Sudano, J., **Colabianchi**, N., Wong, D. W., & Litaker, D. (2008, October 25-29). Health effects of a local area racial residential segregation measure on aging adults. Paper presented at American Public Health Association, San Diego, CA.
- Hooker, S. P., Sui, X., Lee, I-M., Church, T., **Colabianchi**, N., Lee, C., & Blair, S. N. (2008, May 28-31). Prospective Study of Cardiorespiratory Fitness and Risk of Type 2 Diabetes in Women. ACSM Annual Meeting, Indianapolis, IN.
- Hooker, S.P., Mathews, A., **Colabianchi**, N., & Pluto, D. (2008, April 9-12). Pedestrian activity among California adults: who is active, where, and for what purpose? 5<sup>th</sup> Active Living Research Conference, Washington, DC.
- Sui, X., **Colabianchi**, N., Hooker, S. P., & Blair, S. N. (2008, March 11-15). 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.
- Hooker, S. P., Sui, X., **Colabianchi**, N., Vena, J., Laditka, J., LaMonte, M. J., & Blair, S. N. (2008, February 20-22). Cardiorespiratory Fitness as a Predictor of Fatal and Nonfatal Stroke in Asymptomatic Women and Men. International Stroke Conference, New Orleans, LA.
- Colabianchi**, N., Kinsella, A., McClure, S., Zullo, M., Coulton, C., Moore, S., & Clint, B. (2006, March 22-25). Can renovated playgrounds increase physical activity levels? Society of Behavioral Medicine 27<sup>th</sup> Annual Meeting & Scientific Sessions, San Francisco, CA.
- Zullo, M., Washington, M., Koroukian, S., & **Colabianchi**, N. (2006, November 4-8). Identifying individual and community level predictors of body mass index. American Public Health Association (134<sup>th</sup> Meeting), Boston, MA.
- Colabianchi**, N., Borawski, E. A., Trapl, E. S., Charvat, J. M., & Ievers-Landis, C. E. (2005, April 13-16). 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.
- Borawski, E. A., **Colabianchi**, N., Ievers-Landis, C. E., Trapl, E. S., Cole, M. L. Boyd, L., Zullo, M., & Lovegreen, L. D. (2005, December 10-14). 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.
- Trapl, E., Borawski, E., Stork, P., **Colabianchi**, N., & Lovegreen, L. (2004, November 6-10). Methods for school-based data collection of sensitive information with adolescents: Past, present, and future. 132<sup>nd</sup> Annual APHA Meeting, Washington, DC.
- Colabianchi**, N., Trapl, E., Ievers-Landis, C.E., & Borawski, E. (2004, June). 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.

- Colabianchi, N., Ievers-Landis, C. E., & Burant, C.** (2004, March). Parental Correlates of Adolescent Nutritional Intake. Society of Behavioral Medicine, Baltimore, MD.
- Sudano, J. J., Litaker, D., & **Colabianchi, N.** (2004, June). 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.
- Colabianchi, N., Borawski, E., Albert, J., Flocke, S., & Coulton, C.** (2003, June). 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).
- Litaker D., Sudano J. J., & **Colabianchi, N.** (2003, May). 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.)
- Colabianchi, N., Borawski, E., & Sarver, J.** (2001, August). Association Between Weight Preoccupation and Attractiveness. Add Health Users Group, Washington, DC.
- Colabianchi, N.** (1998, May). Objective measurement in the social sciences. Midwest Objective Measurement Seminar, Chicago, IL.

### ***Poster Presentations***

- Colabianchi, N., Brown, D., Diez-Roux, A., Marshall, E., Yang, Y., Melendez, R., Knowles, D., Stanley, K., & Osgood, N.** (2014, October). *Environments and activity: GPS-based collection of real-time perception and behavioral data to support modeling.* Poster presented at MCubed Symposium, Ann Arbor, MI.
- Colabianchi, N., Brown, D., Diez-Roux, A., Yang, Y., Melendez, R., Knowles, D., & Osgood, N.** (2013, November). *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.
- Taverno Ross, S. E., Dowda, M., **Colabianchi, N., Saunders, R., & Pate, R. R.** (2012, May 29 - June 2). *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.
- Trapl, E., Borawski, E., **Colabianchi, N., Litaker, D., & Taylor, H. G.** (2012, March). *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.
- Liese, A. D., Nichols, M., Bell, B. A., Freedman, D., & **Colabianchi, N.** (2011, June 15-18). *Test-retest reliability of a food shopping behavior questionnaire.* Poster presented at the International Society for Behavioral Nutrition and Physical Activity, Melbourne, Australia.
- Barnes, T. L., Freedman, D. A., **Colabianchi, N., Bell, B. A., Nichols, M. D., & Liese, A. D.** (2011, April 9-13). *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.

- Liese, A. D., **Colabianchi**, N., Lamichhane, A., Barnes, T. L., & Nichols, M. (2010, June 9-12). *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.
- Kim, J., Liu, J., **Colabianchi**, N., Ortaglia, A., & Pate, R. (2009, February 18-20). *Neighborhood effects on adolescent's physical activity and sedentary behaviors.* Poster presented at Annual Conference of Active Living Research, San Diego, CA.
- Howard, V. J., McClure, L. A., Zhang, S., Howard, G., **Colabianchi**, N., & Hooker, S. P. (2009, March 11-14). *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.
- Mathews, A. E., Corwin, S. J., Friedman, D. B., Laditka, S. B., **Colabianchi**, N., & Montgomery, K. (2009, November 18-22). *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.
- Mathews, A. E., Corwin, S. J., Laditka, S. B., Friedman, D. B., **Colabianchi**, N., & Montgomery, K. (2009, November 7-11). *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.
- Colabianchi**, N., Hibbert, J., Landis, C., Davis, E., McClure, S., & Coulton, C. (2009, March). *Adolescent conceptualizations of their neighborhood boundaries.* Poster presented at American Academy of Health Behavior. Hilton Head Island, SC.
- Colabianchi**, N., Swayampakala, K., & Morrison, A. (2007, November). *Playground attributes associated with playground utilization and physical activity.* Poster presented at 2007 National Prevention and Health Promotion Summit.
- Sui, X., Hooker, S. P., **Colabianchi**, N., Vena, J., & Blair, S. N. (2007, May). *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.
- 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, March). *Promoting health through physical activity: current research of the USCPRC.* Poster presented at Prevention Research Centers Meeting, Atlanta, GA.
- Colabianchi**, N., Charvat, J., Trapl, E., McClure, S., Ievers-Landis, C. & Borawski, E. (2006, March). *Assessing the role of the neighborhood environment on adolescent physical activity levels.* Poster presented at American Academy of Health Behavior, Carmel, CA.
- Colabianchi**, N., Charvat, J., Trapl, E., & Borawski, E. A. (2005, June 16-18). *Who walks to school and why?* Poster presented at the International Society of Behavioral Nutrition and Physical Activity, Amsterdam, The Netherlands.



- Colabianchi, N., Moore, S., Coulton, C., Clint, B., McClure, S., & Kinsella, A.** (2005, February 24-26). *School grounds as community parks: modifying the environment to increase physical activity*. Poster presented at the Active Living Research Conference, San Diego, CA.
- Borawski, E. A., Trapl, E. S., Lovegreen, L. D., Landis, C., & **Colabianchi, N.** (2005, April 13-16). *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.
- Borawski, E. A., Trapl, E. S., Lovegreen, L. D., Block, T., & **Colabianchi, N.** (2004, November 6-10). *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.
- Sudano, J. J., Litaker, D., & **Colabianchi, N.** (2004, June 12-14). *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.
- Colabianchi, N., Ievers-Landis, C.E., & Burant, C.** (2004, April). *Parental correlates of adolescent nutritional intake*. Poster presented at Case Western Reserve University Research ShowCASE, Cleveland, Ohio.
- Borawski, E., Trapl, E., Lovegreen, L., Block, T., & **Colabianchi, N.** (2004, November). *Effectiveness of an abstinence-until-marriage curriculum among urban middle school adolescents*. Poster presented at 132<sup>nd</sup> APHA Annual Meeting, Washington, DC.
- Cotton, S., Palermo, T. M., & **Colabianchi, N.** (2004, April). *Health care utilization in pediatric chronic pain: the role of pain perception and distress*. Poster presented at the Child Health Conference, Charleston, SC.
- Trapl, E., Borawski, E., Lovegreen, L., Stork, P., Brown, J., **Colabianchi, N.**, & Ievers-Landis, C. (2004, March). *Use of audio-enhanced and handheld computers for a school based data collection*. Poster presented at American Academy of Health Behavior, Sedona, AZ.
- Kintu, K., Nakabiito, C., **Colabianchi, N.**, & Whalen, C. (2004, July). *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.
- Colabianchi, N., Coulton, C., Witte, J., Albert, J., Flocke, S., & Borawski, E.** (2003, April). *Contextual Influences on Adolescent Sexual Activity*. Poster presented at Research ShowCASE, Cleveland, OH.
- Borawski, E., Brown, J., Trapl, E., **Colabianchi, N.**, & Ievers-Landis, C. (2003, October). *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.
- Litaker, D., Sudano, J. J., & **Colabianchi, N.** (2003, June). *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.

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

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

## TEACHING ACTIVITIES

### Full Courses

#### University of Michigan

##### School of Kinesiology

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

#### 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 Physical Activity Assessment. *Physical activity and nutrition*. (KIN 513 / NUTR 631)
- 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 & 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)*. *Department of Behavioral Pediatrics*.

## POST DOCS, GRADUATE, and UNDERGRADUATE STUDENT MENTORSHIP

### Post-Doctoral Students

*University of Michigan*

2014–2015 Emily Marshall, PhD

2012–2013 Nancy Hood, PhD

### PhD Students in Epidemiology and Biostatistics (unless otherwise noted)

*University of Michigan*

2015 Heidi Buchele, Committee Member (School of Kinesiology). *Impact of Technology-Enhanced Physical Activities on Motivation and Executive Function in School-Aged Children.*

2014 Yung-Ju Chang, Committee Member (School of Information). *Using and Collecting Annotated Behavioral Trace Data For Designing and Developing Context Aware Application.*

*University of South Carolina*

2012 Timothy Barnes, Committee Member. *Perceptions and objective measures of the built environment.*

2012 Jorge A Banda, Committee 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, Committee 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, Committee 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*

2007 Erika Trapl, MS, Committee member. *Effect of data collection mode on the relationships between survey environment, cognitive burden, privacy and data outcomes.*

- 2006 Angelique Stubblefield, MPH, 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, Committee member (Nursing). *Psychosocial characteristics of youth who run away from home.*
- 2005 Tanya Scharf, MS, Chair. *Functional status and quality in home health care.*
- 2004 Ahmad Bahat Hussein Al-Duhoun, Committee member (Nursing). *Effect of cardiac rehabilitation attendance on social support for exercise, motivation, and self efficacy for exercise after cardiac events.*

**Master Degree Students in Epidemiology and Biostatistics (unless otherwise noted)**

*University of South Carolina*

- 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*

- 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, M.D. 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, D.O. 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, Faculty mentor. *Food Environment Described by Measures of Healthy Food Selection*. Funded by the David E. Rodgers Fellowship.

**Undergraduate Students***University of Michigan*

2013-2015 Taylor Nezych, Undergraduate Research Opportunity Program, Senior Thesis

2014 Armani Hawes, SRC Summer Fellow

2015-2016 Katherine Bromm, Undergraduate Research Opportunity Program

2015-2016 Hunter Holsinger, Undergraduate Research Opportunity Program

2015-2016 Paul Zamarripa, Undergraduate Research Opportunity Program

2015-2016 Adena Gabrysiak, Undergraduate Research Opportunity Program

**All Students (Including Advising)**

<i>Student</i>	<i>Degree (in Epi/Biostats unless otherwise specified)</i>	<i>Relationship</i>
<i>University of Michigan</i>		
Taylor Nezych	BA–Psychology	UROP advisor/senior thesis
Nancy Hood		Post Doc Advisor
Emily Marshall		Post Doc Advisor
Armani Hawes		SRC Summer Fellow
Yung-Ju Chang	PhD–School of Information	Committee Member
Heidi Buchele	PhD–School of Kinesiology	Committee Member
Katherine Bromm	BA – Psychology	UROP advisor
Hunter Holsinger	BS – Kinesiology	UROP advisor
Paul Zamarripa	BA – Psychology	UROP advisor
Adena Gabrysiak	BS – Kinesiology	UROP advisor
<i>University of South Carolina</i>		
Timothy Barnes	PhD	Committee Member
Jorge A Banda	PhD	Committee Member
Xiaoguang Ma	PhD	Academic Advisor
Murali Gangdaram	MSPH	Academic Advisor
Lindsay Robinson	MSPH	Academic Advisor
Maggi Chandlee	PhD	Committee Member
Andrea Maslow	PhD	Chair

Andrea Morrison	MSPH	Academic Advisor
Andrea Morrison	MSPH	Committee Member
Wright Culpepper	MSPH	Chair
Angela Merlo-Rains	PhD–Physical Therapy Program	Committee Member
Madhavan Srinivasaraghaven	MSPH	Chair
David Parker	PhD	Chair
Rui Lui	PhD	Committee Member
Anna Matthews	PhD	Committee Member
Courtney Mazzoli	MSPH	Academic Advisor
Andrea Maslow	PhD	Academic Advisor
Kamala Swayampakala	PhD	Academic Advisor
Cherie Nikki Holmes	PhD	Academic Advisor
Kamala Swayampakala	MSPH	Academic Advisor
David Parker	PhD	Academic Advisor
<i>Case Western Reserve University</i>		
Ahmad Al-Rawashdeh	PhD–Nursing	Committee member
Katherine Fox Nagel	PhD	Academic Advisor
Celia Mukulu	MS	Academic Advisor
Jose Lozado	PhD	Academic Advisor
Angelique Stubblefield, RN	PhD	Academic Advisor
Angelique Stubblefield, RN	PhD	Committee member
Michael Vaezi, MD, PhD	MS	Academic Advisor, Chair
Monique Washington, RN	PhD	Academic Advisor
Tanya Scharf, MS	PhD	Academic Advisor, Chair
Carissa Ann Lucus	MS	Academic Advisor
Alicia Sokol	MPH	Capstone content advisor
Kenneth Kintu	MS	Committee member
Jackie Charvat	MS	Committee member
Erika Trapl	PhD	Committee member
Ahmad Hussein Al-Duhoun	PhD–Nursing	Committee member
Erika Trapl	MS	Committee member
Jessica Diggs	PhD	Committee member
Thomas Cook	PhD	Academic Advisor
Audrey Kinsella	MPH	Capstone Advisor, Chair
Vallerie Propper	PhD	Academic Advisor
Peter Odada Sumba	PhD	Academic Advisor
Beena Minai	MPH	Capstone Advisor, Chair
Jennifer Hanrahan, MD	MS	Committee Member
Connie Liu	MD/PhD	Research Advisor