

CURRICULUM VITAE

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Birthdate and Birthplace: April 2, 1969 in New Orleans, LA, USA

Citizenship: United States

EDUCATION

- 1987-1991 Duke University, Durham, NC
B.S., Zoology with Certificate in Genetics, 1991
Thesis: "On the Interaction Between Mate Choice and a Sterilizing Venereal Disease"
- 1992-1993 The University of Chicago, Chicago, IL
Evolutionary Biology Ph.D. program, no degree
Completed coursework in evolutionary biology and mathematical statistics
- 1996-2004 Tulane University, New Orleans, LA
M.S., Biostatistics, 1998
Ph.D., Biostatistics, 2004
Dissertation: "Addressing Missing Data in Public Health: An Empirical Comparison of Strategies"

PROFESSIONAL EXPERIENCE

Academic appointments

- 1991-92 Duke University, Durham, NC
Instructor, Department of Zoology
- 2003-08 Louisiana State University Health Sciences Center, New Orleans, LA
Instructor, Department of Medicine (1/03 – 9/04)
MCLNO HIV Outpatient Clinic Epidemiologist (1/03 – 5/08)
Research Assistant Professor (10/04 – 5/08)
MCLNO HIV Outpatient Clinic CQI Director (1/06 – 5/08)
- 2008- Louisiana State University Health Sciences Center, New Orleans, LA
Adjunct Assistant Professor (7/08 – present)
- 2008- Pennington Biomedical Research Center, Baton Rouge, LA
Research Assistant Professor, Population Science Program (5/08 – 6/16)
Research Associate Professor, Population Science Program (7/16 – present)

analyzing electronic medical record information and designing the evaluation of the model program.

PI: Katzmarzyk, PT Blue Cross & Blue Shield of Louisiana Foundation 2011-2015

Investigator

Challenge for a Healthier Louisiana

The objective of this project is to administer, provide technical assistance to, and evaluate the impact of the Blue Cross' *Challenge for a Healthier Louisiana* grant program. Twelve multilevel, community-based obesity prevention programs across Louisiana, involving over \$20 million of funding, were supported.

Katzmarzyk, PT & Church, T The Coca Cola Company 2010-2014

Investigator, Environmental Assessments Lead

International Study of Childhood Obesity, Lifestyle, and the Environment (ISCOLE)

This was a global study of childhood lifestyle, the environment and obesity being conducted in 12 countries from all regions of the world. Pennington Biomedical was the study Coordinating Center as well as the U.S. site. Environmental assessments included a school policy/environment survey completed by school administrators, a neighborhood environment survey completed by parents, and an objective audit of the school food and physical activity environment completed by ISCOLE staff.

PI: Broyles, ST Baptist Community Ministries 2013-2014

Evaluation of BCM investments in policy change to reduce or prevent childhood obesity

This contract with Baptist Community Ministries (BCM), a New Orleans-based foundation, funded an external evaluation of BCM investments in policy change related to childhood obesity and a summary of best practices for primary-base based childhood obesity and treatment. Dr. Amanda Staiano was engaged as a collaborator and led the work on the second deliverable.

PI: Katzmarzyk, PT NIH/NIGMS LA CaTS Pilot Grant 2013-2014

Investigator

Community-wide Health Assessment for West Carroll Parish

The objective of this project is to conduct a baseline health assessment of chronic disease, risk factors, and risk factor knowledge in West Carroll Parish. The community health assessment will include two components: 1) a population health phone survey conducted by the LSU Public Policy Research Lab, and 2) community health screenings conducted at the LSU/SU AgCenter Research and Extension Site in Oak Grove, Louisiana.

PI: Broyles, ST American Heart Association 2011-2013

Neighborhood Effects on Markers of Early Cardiovascular Disease in Prepubertal Youth

This application was in response to the funding opportunity, AHA Greater Southeast Affiliate Spring 2011 Grant-in-Aid. This project sought to use cutting-edge neighborhood and biological measures to characterize the aspects of the neighborhood environments salient to development of early CVD risk in white and African American children.

PI: Newton, RL Jr Coca-Cola Foundation 2011

Investigator

Parent-targeted mobile phone based intervention to increase physical activity in children (P-Mobile).

This project delivered a family-based physical activity promotion program to parents through mobile phones. The mobile application will provide a website with theoretically based behavioral change strategies, tools to monitor physical activity, and will also make use of the short message

service capabilities to provide automated motivational messages and behavioral prompts.

PI: Broyles, ST Manila Consulting Group/ CDC 2010-2011
External evaluation of the Medical Monitoring Project (MMP)

Dr. Broyles was solicited by the CDC Division of HIV/AIDS Prevention to perform an external evaluation of the Medical Monitoring Project (MMP), an ongoing, multi-site, CDC-funded project, with an annual budget of several million dollars. Results and recommendations were compiled in a detailed report, and key findings and recommendations were presented to CDC Division leadership. Dr. Broyles was subcontracted by the CDC through Manila Consulting Group.
Role: Principal Investigator

PI: Katzmarzyk, PT United States Department of Agriculture 2008-2011
Investigator

Steps Toward Adapting Physical Activity and Dietary Guidelines for the Delta Population
The aims of this cooperative research project were to identify motivations and opportunities to be physically active in the Delta region of Louisiana, and to adapt the U.S. Dietary Guidelines for this population. My interest in this work was to explore aspects of the built environment that promote physical activity in a rural setting.

PI: Katzmarzyk, PT NIH/NIDDK 2009-2010
Investigator/Biostatistician

Anthropometric Assessment of Abdominal Obesity and Health Risk in Children and Adolescents
This project was funded through the Recovery Act Limited Competition: NIH Challenge Grants in Health and Science Research (RC1) mechanism. This project addresses the specific challenge topic 06-DK-106: Identifying a standard anthropometric measure for pediatric central adiposity and seeks to identify and determine the clinical utility of the best anthropometric measurements for the assessment of total and intra-abdominal visceral adipose tissue in children and adolescents.

PI: Katzmarzyk, PT United States Department of Agriculture 2008-2009
Investigator, Built Environment Pod Leader

Dietary, Biological, Behavioral and Environmental Predictors of Weight Gain in a Healthy, Ethnically Mixed Population

The aim of this cooperative research project was to identify dietary, physiological, behavioral, and environmental determinants of unhealthy weight gain over a ten-year period in healthy, young, ethnically-mixed men and women with no, one, or two obese parents.

PI: Bedimo-Rung, A Centers for Disease Control and Prevention 2004-2009
Investigator, Biostatistician

Environmental Determinants of Physical Activity in Parks

This project studied the environmental influences of playgrounds on physical activity. I joined this work as a co-investigator in 2006 and have collaborated in all aspects of study implementation, including overall design and sample size calculations, survey design, method refinement, and analysis.

PI: Bedimo-Rung, A RWJF Active Living Research Program 2005-2008
Investigator, Biostatistician

A Pilot Study on the Environmental Determinants of Physical Activity in Parks

The major goals of this project are to pilot test instruments and methods to measure park activity, environmental characteristics of parks, and park user characteristics, before and after park renovation.

PUBLICATIONS

Peer Reviewed Journal Articles

74. Kepper MM, Sothorn M, Theall K, Griffiths L, Scribner R, Tseng T, Schaettle P, Cwik J, Felker-Kantor E, **Broyles ST**. Using Google Street View to systematically observe neighborhood environments at high spatial resolution: a feasible and reliable method. *American Journal of Preventive Medicine*. (in press).
73. Myers CA, Denstel KD, **Broyles ST**. The Context of Context: Examining the Associations between Healthy and Unhealthy Measures of Neighborhood Food, Physical Activity, and Social Environments. *Prev Med*. 2016;93:21-26
72. Harrington DM, Gillison F, **Broyles ST**, Chaput JP, Fogelholm M, Hu G, Kuriyan R, Kurpad A, LeBlanc AG, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tremblay MS, Tudor-Locke C, Zhao P, Katzmarzyk PT, Group IR. Household-level correlates of children's physical activity levels in and across 12 countries. *Obesity (Silver Spring)*. 2016;24(10):2150-7
71. Muthuri SK, Onywera VO, Tremblay MS, **Broyles ST**, Chaput JP, Fogelholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Sarmiento OL, Standage M, Tudor-Locke C, Zhao P, Church TS, Katzmarzyk PT. Relationships between parental education and overweight with childhood overweight and physical activity in 9-11 year old children: results from a 12-country study. *PLoS One*. 2016;11(8):e0147746.
69. Uys M, **Broyles ST**, C ED, Hendricks S, Rae D, Naidoo N, Katzmarzyk PT, Lambert EV. Perceived and objective neighborhood support for outside of school physical activity in South African children. *BMC Public Health*. 2016;16:462.
68. Myers CA, Slack T, Martin CK, **Broyles ST**, Heymsfield SB. Change in Obesity Prevalence across the United States Is Influenced by Recreational and Healthcare Contexts, Food Environments, and Hispanic Populations. *PLoS One*. 2016;11(2):e0148394.
67. Marquez B, Anderson A, Wing RR, West DS, Newton RL, Meacham M, Hazuda HP, Peters A, Montez MG, **Broyles ST**, Walker M, Evans-Hudsnall G, Look ARG. The relationship of social support with treatment adherence and weight loss in Latinos with type 2 diabetes. *Obesity (Silver Spring)*. 2016;24(3):568-575.
66. Tudor-Locke C, **Broyles S**. Older Adults' Objectively Monitored Walking Behaviors and the Factors that Shape Them. *Kinesiology Review*. 2016;5(1):81-86.
65. Chaput JP, Weippert M, LeBlanc AG, Hjorth MF, Michaelsen KF, Katzmarzyk PT, Tremblay MS, Barreira TV, **Broyles ST**, Fogelholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tudor-Locke C, Zhao P, Sjodin AM. Are Children Like Werewolves? Full Moon and Its Association with Sleep and Activity Behaviors in an International Sample of Children. *Front Pediatr*. 2016;4:24.
64. **Broyles ST**, Myers CA, Drazba KT, Marker AM, Church TS, Newton RL, Jr. The Influence of Neighborhood Crime on Increases in Physical Activity during a Pilot Physical Activity Intervention in Children. *J Urban Health*. 2016;93(2):271-278.
63. **Broyles ST**, Denstel KD, Church TS, Chaput JP, Fogelholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tremblay MS, Tudor-Locke C, Zhao P, Katzmarzyk PT, Group IR. The epidemiological transition and the global childhood obesity epidemic. *Int J Obes Suppl*. 2015;5(Suppl 2):S3-8.

62. LeBlanc AG, Katzmarzyk PT, Barreira TV, **Broyles ST**, Chaput JP, Church TS, Fogelholm M, Harrington DM, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tudor-Locke C, Zhao P, Tremblay MS, Group IR. Are participant characteristics from ISCOLE study sites comparable to the rest of their country? *Int J Obes Suppl.* 2015;5(Suppl 2):S9-S16.
61. **Broyles ST**, Drazba KT, Church TS, Chaput JP, Fogelholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tremblay MS, Tudor-Locke C, Zhao P, Katzmarzyk PT. Development and reliability of an audit tool to assess the school physical activity environment across 12 countries. *Int J Obes Suppl.* 2015;5(Suppl 2):S36-42.
60. Katzmarzyk PT, Barreira TV, **Broyles ST**, Chaput JP, Fogelholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tremblay MS, Tudor-Locke C, Zhao P, Church TS. Association between body mass index and body fat in 9-11-year-old children from countries spanning a range of human development. *Int J Obes Suppl.* 2015;5(Suppl 2):S43-46.
59. Chaput JP, Katzmarzyk PT, LeBlanc AG, Tremblay MS, Barreira TV, **Broyles ST**, Fogelholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Rae DE, Maher C, Maia J, Matsudo V, Onywera V, Sarmiento OL, Standage M, Tudor-Locke C, Zhao P, Olds T, Group IR. Associations between sleep patterns and lifestyle behaviors in children: an international comparison. *Int J Obes Suppl.* 2015;5(Suppl 2):S59-65.
58. Vepsalainen H, Mikkila V, Erkkola M, **Broyles ST**, Chaput JP, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tremblay MS, Tudor-Locke C, Zhao P, Church TS, Katzmarzyk PT, Fogelholm M, Group IR. Association between home and school food environments and dietary patterns among 9-11-year-old children in 12 countries. *Int J Obes Suppl.* 2015;5(Suppl 2):S66-73.
57. Zakrzewski JK, Gillison FB, Cumming S, Church TS, Katzmarzyk PT, **Broyles ST**, Champagne CM, Chaput JP, Denstel KD, Fogelholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Mire EF, Olds T, Onywera V, Sarmiento OL, Tremblay MS, Tudor-Locke C, Zhao P, Standage M, Group IR. Associations between breakfast frequency and adiposity indicators in children from 12 countries. *Int J Obes Suppl.* 2015;5(Suppl 2):S80-88.
56. Larouche R, Sarmiento OL, **Broyles ST**, Denstel KD, Church TS, Barreira TV, Chaput JP, Fogelholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Standage M, Tremblay MS, Tudor-Locke C, Zhao P, Katzmarzyk PT, Group IR. Are the correlates of active school transport context-specific? *Int J Obes Suppl.* 2015;5(Suppl 2):S89-99.
55. Denstel KD, **Broyles ST**, Larouche R, Sarmiento OL, Barreira TV, Chaput JP, Church TS, Fogelholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Standage M, Tremblay MS, Tudor-Locke C, Zhao P, Katzmarzyk PT, Group IR. Active school transport and weekday physical activity in 9-11-year-old children from 12 countries. *Int J Obes Suppl.* 2015;5(Suppl 2):S100-106.
54. Sarmiento OL, Lemoine P, Gonzalez SA, **Broyles ST**, Denstel KD, Larouche R, Onywera V, Barreira TV, Chaput JP, Fogelholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Standage M, Tremblay MS, Tudor-Locke C, Zhao P, Church TS, Katzmarzyk PT. Relationships between active school transport and adiposity indicators in school-age children from low-, middle- and high-income countries. *Int J Obes Suppl.* 2015;5(Suppl 2):S107-114.

53. Staiano AE, **Broyles ST**, Katzmarzyk PT. School Term vs. School Holiday: Associations with Children's Physical Activity, Screen-Time, Diet and Sleep. *Int J Environ Res Public Health*. 2015;12(8):8861-8870.
52. LeBlanc AG, Katzmarzyk PT, Barreira TV, **Broyles ST**, Chaput JP, Church TS, Fogelholm M, Harrington DM, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tudor-Locke C, Zhao P, Tremblay MS, Group IR. Correlates of Total Sedentary Time and Screen Time in 9-11 Year-Old Children around the World: The International Study of Childhood Obesity, Lifestyle and the Environment. *PLoS One*. 2015;10(6):e0129622.
51. Siervo M, Prado CM, Mire E, **Broyles S**, Wells JC, Heymsfield S, Katzmarzyk PT. Body composition indices of a load-capacity model: gender- and BMI-specific reference curves. *Public Health Nutr*. 2015;18(7):1245-1254.
50. LeBlanc AG, **Broyles ST**, Chaput JP, Leduc G, Boyer C, Borghese MM, Tremblay MS. Correlates of objectively measured sedentary time and self-reported screen time in Canadian children. *Int J Behav Nutr Phys Act*. 2015;12:38.
49. Katzmarzyk PT, Barreira TV, **Broyles ST**, Champagne CM, Chaput JP, Fogelholm M, Hu G, Johnson WD, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tremblay MS, Tudor-Locke C, Zhao P, Church TS. Physical Activity, Sedentary Time, and Obesity in an International Sample of Children. *Med Sci Sports Exerc*. 2015;47(10):2062-2069.
48. Katzmarzyk PT, Barreira TV, **Broyles ST**, Champagne CM, Chaput JP, Fogelholm M, Hu G, Johnson WD, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tremblay MS, Tudor-Locke C, Zhao P, Church TS, Group IR. Relationship between lifestyle behaviors and obesity in children ages 9-11: Results from a 12-country study. *Obesity (Silver Spring)*. 2015;23(8):1696-1702.
47. Harrington DM, Champagne CM, **Broyles ST**, Johnson WD, Tudor-Locke C, Katzmarzyk PT. Cardiometabolic risk factor response to a lifestyle intervention: a randomized trial. *Metab Syndr Relat Disord*. 2015;13(3):125-131.
46. Barreira TV, Schuna JM, Jr., Mire EF, **Broyles ST**, Katzmarzyk PT, Johnson WD, Tudor-Locke C. Normative steps/day and peak cadence values for united states children and adolescents: National Health and Nutrition Examination Survey 2005-2006. *J Pediatr*. 2015;166(1):139-143.
45. Myers CA, Slack T, Martin CK, **Broyles ST**, Heymsfield SB. Regional disparities in obesity prevalence in the United States: A spatial regime analysis. *Obesity (Silver Spring)*. 2015;23(2):481-487.
44. Sullivan SM, Brashear MM, **Broyles ST**, Rung AL. Neighborhood environments and obesity among Afro-Caribbean, African American, and Non-Hispanic white adults in the United States: results from the National Survey of American Life. *Prev Med*. 2014;61:1-5.
43. Prado CM, Siervo M, Mire E, Heymsfield SB, Stephan BC, **Broyles S**, Smith SR, Wells JC, Katzmarzyk PT. A population-based approach to define body-composition phenotypes. *Am J Clin Nutr*. 2014;99(6):1369-1377.
42. Newton RL, Jr., Marker AM, Allen HR, Machtmes R, Han H, Johnson WD, Schuna JM, Jr., **Broyles ST**, Tudor-Locke C, Church TS. Parent-targeted mobile phone intervention to increase physical activity in sedentary children: randomized pilot trial. *JMIR Mhealth Uhealth*. 2014;2(4):e48.

41. Harrington DM, Champagne CM, **Broyles ST**, Johnson WD, Tudor-Locke C, Katzmarzyk PT. Steps ahead: a randomized trial to reduce unhealthy weight gain in the Lower Mississippi Delta. *Obesity (Silver Spring)*. 2014;22(5):E21-28.
40. Gollub EA, Kennedy BM, Bourgeois BF, **Broyles ST**, Katzmarzyk PT. Engaging communities to develop and sustain comprehensive wellness policies: Louisiana's schools putting prevention to work. *Prev Chronic Dis*. 2014;11:E34.
39. Barreira TV, **Broyles ST**, Gupta AK, Katzmarzyk PT. Relationship of anthropometric indices to abdominal and total body fat in youth: sex and race differences. *Obesity (Silver Spring)*. 2014;22(5):1345-1350.
38. Tudor-Locke C, Schuna JM, Jr., Barreira TV, Mire EF, **Broyles ST**, Katzmarzyk PT, Johnson WD. Normative steps/day values for older adults: NHANES 2005-2006. *J Gerontol A Biol Sci Med Sci*. 2013;68(11):1426-1432.
37. Staiano AE, Harrington DM, **Broyles ST**, Gupta AK, Katzmarzyk PT. Television, adiposity, and cardiometabolic risk in children and adolescents. *Am J Prev Med*. 2013;44(1):40-47.
36. Staiano AE, **Broyles ST**, Gupta AK, Malina RM, Katzmarzyk PT. Maturity-associated variation in total and depot-specific body fat in children and adolescents. *Am J Hum Biol*. 2013;25(4):473-479.
35. Staiano AE, **Broyles ST**, Gupta AK, Katzmarzyk PT. Ethnic and sex differences in visceral, subcutaneous, and total body fat in children and adolescents. *Obesity (Silver Spring)*. 2013;21(6):1251-1255.
34. Katzmarzyk PT, Barreira TV, **Broyles ST**, Champagne CM, Chaput JP, Fogelholm M, Hu G, Johnson WD, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tremblay MS, Tudor-Locke C, Zhao P, Church TS. The International Study of Childhood Obesity, Lifestyle and the Environment (ISCOLE): design and methods. *BMC Public Health*. 2013;13:900.
33. Harrington DM, Staiano AE, **Broyles ST**, Gupta AK, Katzmarzyk PT. Waist circumference measurement site does not affect relationships with visceral adiposity and cardiometabolic risk factors in children. *Pediatr Obes*. 2013;8(3):199-206.
32. Harrington DM, Staiano AE, **Broyles ST**, Gupta AK, Katzmarzyk PT. BMI percentiles for the identification of abdominal obesity and metabolic risk in children and adolescents: evidence in support of the CDC 95th percentile. *Eur J Clin Nutr*. 2013;67(2):218-222.
31. Camhi SM, Katzmarzyk PT, **Broyles S**, Church TS, Hankinson AL, Carnethon MR, Sternfeld B, Lewis CE. Association of metabolic risk with longitudinal physical activity and fitness: coronary artery risk development in young adults (CARDIA). *Metab Syndr Relat Disord*. 2013;11(3):195-204.
30. Barreira TV, Tudor-Locke C, Champagne CM, **Broyles ST**, Johnson WD, Katzmarzyk PT. Comparison of GT3X accelerometer and YAMAX pedometer steps/day in a free-living sample of overweight and obese adults. *J Phys Act Health*. 2013;10(2):263-270.
29. Sisson SB, Shay CM, **Broyles ST**, Leyva M. Television-viewing time and dietary quality among U.S. children and adults. *Am J Prev Med*. 2012;43(2):196-200.
28. Sisson SB, **Broyles ST**, Robledo C, Boeckman L, Leyva M. Television viewing and variations in energy intake in adults and children in the USA. *Public Health Nutr*. 2012;15(4):609-617.

27. Sisson SB, **Broyles ST**. Social-ecological correlates of excessive TV viewing: difference by race and sex. *J Phys Act Health*. 2012;9(3):449-455.
26. **Broyles ST**, Staiano AE, Drazba KT, Gupta AK, Sothorn M, Katzmarzyk PT. Elevated C-reactive protein in children from risky neighborhoods: evidence for a stress pathway linking neighborhoods and inflammation in children. *PLoS One*. 2012;7(9):e45419.
25. Theall KP, Scribner R, **Broyles S**, Yu Q, Chotalia J, Simonsen N, Schonlau M, Carlin BP. Impact of small group size on neighbourhood influences in multilevel models. *J Epidemiol Community Health*. 2011;65(8):688-695.
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23. Sisson SB, **Broyles ST**, Baker BL, Katzmarzyk PT. Television, reading, and computer time: correlates of school-day leisure-time sedentary behavior and relationship with overweight in children in the U.S. *J Phys Act Health*. 2011;8 Suppl 2:S188-197.
22. Rung AL, Mowen AJ, **Broyles ST**, Gustat J. The role of park conditions and features on park visitation and physical activity. *J Phys Act Health*. 2011;8 Suppl 2:S178-187.
21. Rung AL, **Broyles ST**, Mowen AJ, Gustat J, Sothorn MS. Escaping to and being active in neighbourhood parks: park use in a post-disaster setting. *Disasters*. 2011;35(2):383-403.
20. Katzmarzyk PT, Champagne CM, Tudor-Locke C, **Broyles ST**, Harsha D, Kennedy BM, Johnson WD. A short-term physical activity randomized trial in the Lower Mississippi Delta. *PLoS One*. 2011;6(10):e26667.
19. Harrington DM, Tudor-Locke C, Champagne CM, **Broyles ST**, Harsha DW, Kennedy BM, Johnson WD, Allen R, Katzmarzyk PT. Step-based translation of physical activity guidelines in the Lower Mississippi Delta. *Appl Physiol Nutr Metab*. 2011;36(4):583-585.
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17. Camhi SM, Katzmarzyk PT, **Broyles ST**, Srinivasan SR, Chen W, Bouchard C, Berenson GS. Subclinical atherosclerosis and metabolic risk: role of body mass index and waist circumference. *Metab Syndr Relat Disord*. 2011;9(2):119-125.
16. **Broyles ST**, Mowen AJ, Theall KP, Gustat J, Rung AL. Integrating social capital into a park-use and active-living framework. *Am J Prev Med*. 2011;40(5):522-529.
15. **Broyles ST**, Bouchard C, Bray GA, Greenway FL, Johnson WD, Newton RL, Ravussin E, Ryan DH, Smith SR, Katzmarzyk PT. Consistency of fat mass--fat-free mass relationship across ethnicity and sex groups. *Br J Nutr*. 2011;105(8):1272-1276.
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11. Sullivan PS, Denniston M, Mokotoff E, Buskin S, **Broyles S**, McNaghten AD. Quality of care for HIV infection provided by Ryan White Program-supported versus non-Ryan White Program-supported facilities. *PLoS ONE* 2008; 3(9): e3250. doi:10.1371/journal.pone.0003250.
10. Krowicka H, Robinson JE, Clark R, Hager S, **Broyles S**, Pincus SH. Use of Tissue Culture Cell Lines to Evaluate HIV Antiviral Resistance. *AIDS Research and Human Retroviruses*, 2008; 24:957-967.
9. Sullivan PS, Denniston M, McNaghten AD, Buskin S, **Broyles S**, Mokotoff E. Use of a population-based survey to determine incidence of AIDS-defining opportunistic illnesses among persons in medical care in the United States. *AIDS Research and Therapy*, 2007; 4: 17.
8. Clark RA, Schafe J, Mirabelli R, **Broyles S**, Besch CL, Kissinger P. The New Orleans HIV Outpatient Program Patient Experience with Hurricane Katrina. *Journal of the Louisiana State Medical Society*, 2007; 159:276-281.
7. Clark RA, **Broyles S**, Besch CL. Differences in the Pre- and Post-Katrina New Orleans HIV Outpatient Clinic Population: Who Has Returned? *Southern Medical Journal*, 2007; 100: 999-1002.
6. Kelley GP, Stellingworth MA, **Broyles S**, Glancy DL. Electrocardiographic Findings in 888 Patients \geq 90 Years of Age. *The American Journal of Cardiology* 2006; 98:1512-1514.
5. Aldridge K, Besch CL, Belmares J, **Broyles S**, Clark RA, DiCarlo R, Dumestre J, Figueroa J, Gootee P, Hagensee ME, Hull A, Lillis R, Lopez F, Maffei J, Murphy M, Nsuami M, Martin D, Pindaro C, Taylor SN, Wilcox R, Zachary J. Eight months later: Hurricane Katrina aftermath challenges facing the Infectious Diseases Section of the Louisiana State University Health Science Center. *Clin Infect Dis* 2006. 43, 485-489.
4. Clark RA, Besch L, Murphy M, Vick J, Gurd C, **Broyles S**, Lincoln K. Six months later: The effect of Hurricane Katrina on health care for persons living with HIV/AIDS in New Orleans. *AIDS Care* 2006; 18 Suppl 1:S59-61.
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1. Myers L, **Broyles S**. Regression Coefficient Analysis for Correlated Binomial Outcomes. *J Applied Statistics* 2000; 27:217-234.

Articles submitted or in progress

- Sullivan SM, **Broyles ST**, Barreira T, Chaput JP, Folgeholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tremblay M, Tudor-Locke C, Zhao P, Katzmarzyk PT. Associations of Neighborhood Social Environment Attributes and Physical Activity and Obesity among 9-11 year old Children from 12 Countries. *Health & Place*. (revision submitted)
- Dumuid D, Olds T, Lewis L, Martin-Fernandez JA, Katzmarzyk PT, Barreira T, **Broyles ST**, Chaput JP, Folgeholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maia J, Matsudo V,

Onywera V, Sarmiento OL, Standage M, Tremblay M, Tudor-Locke C, Zhao P, Gillison F, Maher C. Health-related quality of life and lifestyle behavior clusters in school-aged children from 12 countries. *Journal of Epidemiology and Community Health*. (submitted)

Manyanga T, Tremblay MS, Chaput JP, Katzmarzyk PT, Folgeholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tremblay M, Tudor-Locke C, Zhao P, **Broyles ST**. Socioeconomic status and dietary patterns in children from around the world: Different associations by levels of country human development? *IJBNPA*. (submitted)

Sisson SB, Morris A, **Broyles S**, Nesbit K, Swyden K. Child and parent stress association with obesity and media use: a secondary data analysis of the National Survey of Children's Health. *Childhood Obesity*. (submitted)

Uys M., **Broyles ST**, Katzmarzyk PT, Draper CE, Chaput JP, Fogelholm M, Hu G, Kuriyan R, Kurpad A, Maher C, Maia J, Matsudo V, Olds T, Onywera V, Sarmiento OL, Standage M, Tremblay MS, Tudor-Locke C, Zhao P, Lambert EV. School correlates of in-school physical activity among 10-year old children from twelve countries: The International Study of Childhood Obesity, Lifestyle, and the Environment. *IJBNPA*. (submitted)

Yoshida Y, Scribner R, Tseng T-S, Chen L, **Broyles S**, Phillipi S. Is diet quality explaining the association between acculturation and increased BMI in Mexican Americans? *Social Science and Medicine*. (submitted)

Yoshida Y, Scribner R, Tseng T-S, Chen L, **Broyles S**, Phillipi S. Diet quality and its relationship with central obesity among Mexican Americans – Findings from the National Health and Nutrition Examination Survey (NHANES) 1999-2012. *Journal of Nutrition*. (submitted)

Abstracts and Proceedings

66. Tudor-Locke C, Schuna J, Barreira T, Mire E, **Broyles S**, Katzmarzyk P, Johnson W. Reference peak 30-min cadence values for older adults: NHANES 2005-2006. 2016 Gerontological Society of America Annual Scientific Meeting. New Orleans, LA. Nov 2016.
65. Yoshida Y, Chen L, Tseng T-S, Phillippi S, Scribner R, **Broyles S**. Is diet quality related to central obesity among Mexican Americans? Findings from the National Health and Nutrition Examination Survey (NHANES) 1999-2010. American Public Health Association. Denver, CO. Oct 2016.
64. Fisher K, **Broyles S**, Robinson W. Exploring injection related risk and history of drug treatment programs. American Public Health Association. Denver, CO. Oct 2016.
63. School correlates of in-school physical activity among 10-year old children from twelve countries: the International Study of Childhood Obesity, Lifestyle, and the Environment. ISPAH 2016
62. Sisson SB, Sheffield-Morris A, **Broyles S**, Nesbit KC, Swyden K. Child and Parent Stress Association with Obesity and Media Use: National Survey of Children's Health. *Med Sci Sports Exerc*. 2016;48(5 Suppl 1):235. American College of Sports Medicine Annual Meeting, Boston, MA, June 2016.
61. Eagan J, Newton RL Jr, Hanken K, Marker A, Drake D, Olivero S, Edwards M, **Broyles ST**. Play Streets for Safe Play: Bringing the concept to Baton Rouge, LA. LSU Discover Day, April 7, 2016.
60. Staiano AE, Hsia DS, **Broyles ST**. Obesity screening and treatment: Practices of Louisiana pediatric healthcare providers. Submitted as a research platform presentation to the annual meeting of the Society of Adolescent Health and Medicine, Washington, D.C., March 2016.
59. Newton R L Jr, Hanken K, Marker A, Drake D, Eagan K., Olivero S, Edwards M, **Broyles ST**. Effect of Play Streets on Physical Activity in Children. Annual Meeting of the Society of Behavioral Medicine, Washington, D.C. March 2016.

58. **Broyles ST**, Hanken K, Marker A, Drake D, Eagan K, Olivero S, Edwards M, Newton RL Jr. Play Streets for Safe Play: Bringing the concept to high-risk neighborhoods in Baton Rouge, LA. Active Living Research Annual Conference 2016. Clearwater Beach, FL. Jan 2016.
57. Mohler MC, **Broyles ST**, Drazba KT, Dentre K, Sothorn M, Tudor-Locke C, Katzmarzyk PT. Living within a walkable distance to school and school socioeconomic factors determine active commuting (ISCOLE-US). Med Sci Sports Exerc 2015;46 (5; Supplement 1): S420. American College of Sports Medicine Annual Meeting, San Diego, CA, May 2015.
56. Chaput J-P, Katzmarzyk PT, LeBlanc AG, Tremblay MS, Barreira TV, **Broyles ST**, Fogelholm M, Hu G, Kuriyan R, Kurpad A, Lambert EV, Rae DE, Maher C, Maia J, Matsudo V, Onywera V, Sarmiento OL, Standage M, Tudor-Locke C, Zhao P, Church TS, Olds T. Associations between sleep patterns and lifestyle behaviors in children: an international comparison. Obesity Facts 2015; 8 (Suppl.1):112. European Congress on Obesity, Prague, Czech Republic, May 6-9, 2015.
55. Hanken K, Newton RL, Marker A, Eagan K, **Broyles ST**. Formative evaluation of "Play Streets for Safe Play" pilot intervention. LSUHSC School of Public Health Honor's Day. April 2015.
54. Barreira TV, **Broyles ST**, Schuna JM, Katzmarzyk PT, Tudor-Locke C. The number of steps accumulated during school hours is predictive of US children attaining recommended total daily steps/day: ISCOLE. National Physical Activity Plan Congress; Washington, DC; February 23-24, 2015.
53. Mohler MC, **Broyles ST**, Drazba KT, Dentre K, Sothorn MS, Tudor-Locke C, Katzmarzyk PT. Socioeconomic disparities in parents' perceptions of their built and social environment in Baton Rouge, LA. 2014 National Institute on Minority Health & Health Disparities Grantees' Conference, National Harbor, Maryland, December 2014.
52. Drazba KT, **Broyles ST**, Dentre K, Tudor-Locke C, Katzmarzyk PT. An Exploration of School Environment Characteristics and Policies to Support Active Transportation to School. American Public Health Association; New Orleans, LA; November 2014.
51. Myers CA, **Broyles ST**. Impact of Neighborhood Spatial Scale on Associations Among Neighborhood Physical and Social Environment Measures. American Public Health Association; New Orleans, LA; November 2014.
50. **Broyles ST**, Myers CA, Drazba KT, Marker A, Newton RL, Jr. Neighborhood Crime Moderates Effect of a Physical Activity Intervention in Children. American Public Health Association; New Orleans, LA; November 2014.
49. Myers CA, Slack T, Martin C, **Broyles ST**, Heymsfield S. Diabetes Prevalence is Associated with Different Community Factors between the Diabetes Belt and the Remainder of the United States. The Obesity Society; Boston, MA; November 2014.
48. **Broyles ST**, Drazba KT, Katzmarzyk PT. Reliability & variability of assessed sports/play features in a multi-national study: The International Study of Childhood Obesity, Lifestyle, and the Environment (ISCOLE). International Society for Behavioral Nutrition and Physical Activity; San Diego, CA; May 2014.
47. **Broyles ST**. Evaluation of a State-wide Multi-component, Multilevel Community Obesity Prevention Program: The Blue Cross and Blue Shield of Louisiana Foundation's Challenge for a Healthier Louisiana. Southern Obesity Summit; Nashville, TN; November 2013.
46. Myers CA, Slack T, Martin CK, **Broyles S**, Heymsfield SB. Change in Obesity Prevalence Across the United States (U.S.) and Associated Community Characteristics. The Obesity Society; Atlanta, GA; November 2013.
45. Myers CA, Slack T, Martin CK, **Broyles S**, Heymsfield SB. Differential Community Characteristics Associated with Obesity Prevalence between the South and Non-South United States (U.S.). The Obesity Society; Atlanta, GA; November 2013.
44. Marker AM, Machtmes RJ, Johnson WD, Tudor-Locke C, **Broyles S**, Church T, Newton RL. A Parent-Targeted Mobile Phone Intervention to Increase Physical Activity in Sedentary

- Children. The Obesity Society; Atlanta, GA; November 2013.
43. Harrington DM, Champagne CM, **Broyles ST**, Johnson WD, Levy EJ, Tudor-Locke C, Wroten KC, Katzmarzyk PT. Steps ahead: adaptation of physical activity and dietary guidelines for reducing unhealthy weight gain in the Lower Mississippi Delta. International Society for Behavioral Nutrition and Physical Activity; Ghent, Belgium; May 2013.
 42. Tudor-Locke C, Schuna JM, Barreira TV, Mire EF, **Broyles ST**, Katzmarzyk PT, Johnson WD. Normative accelerometer-determined step-day from 6-85 years of age: NHANES 2006-2006. Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism Scientific Sessions 2013; New Orleans, LA; March 2013.
 41. Staiano AE, Harrington DM, **Broyles ST**, Gupta AK, Katzmarzyk PT. Television and cardiometabolic risk in children and adolescents. International Congress on Physical Activity and Public Health; Sydney, Australia; October 2012.
 40. Harrington DM, Staiano AE, **Broyles ST**, Gupta AK, Katzmarzyk PT. No association between sleep duration and adiposity in a biracial sample of children and adolescents. The Obesity Society; San Antonio, TX; September 2012.
 39. **Broyles ST**, Staiano AE, Drazba KT, Katzmarzyk PT. Household clustering of excessive television viewing time in youth. International Society for Behavioral Nutrition and Physical Activity; Austin, TX; May 2012.
 38. Camhi SM, Katzmarzyk PT, **Broyles ST**, Church TS, Hankinson AL, Carnethon MR, Sternfeld B, Lewis CE. The association of metabolic risk and physical activity trajectories: CARDIA. Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism Scientific Sessions 2012; San Diego, CA; March 2012.
 37. **Broyles ST**, Staiano AE, Gupta AK, Katzmarzyk PT. Neighborhood crime and poverty is associated with systemic inflammation in children. Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism Scientific Sessions 2012; San Diego, CA; March 2012.
 36. Staiano AE, **Broyles ST**, Gupta AK, Katzmarzyk PT. Physical activity relates to lower visceral adiposity in children and adolescents. Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism Scientific Sessions 2012; San Diego, CA; March 2012.
 35. Staiano AE, **Broyles ST**, Gupta AK, Katzmarzyk PT. Sexual maturation independently contributes to adiposity differences between African-American and Caucasian girls. Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism Scientific Sessions 2012; San Diego, CA; March 2012.
 34. Harrington DM, Staiano AE, **Broyles ST**, Gupta AK, Katzmarzyk PT. Anatomic site of waist circumference measurement does not affect the relationship with depot-specific adiposity in children. The Obesity Society 29th Annual Scientific Meeting; Orlando, FL; October 2011.
 33. Staiano AE, **Broyles ST**, Gupta AK, Katzmarzyk PT. Ethnic differences in visceral and subcutaneous adiposity in children and adolescents. The Obesity Society 29th Annual Scientific Meeting; Orlando, FL; October 2011.
 32. Staiano AE, **Broyles ST**, Gupta AK, Katzmarzyk PT. Daily screen time and visceral and subcutaneous adiposity in children and adolescents. The Obesity Society 29th Annual Scientific Meeting; Orlando, FL; October 2011.
 31. Sisson S, **Broyles S**, Robledo C, Boechman L, Leyva M. TV Viewing and variations in energy intake in adults in the U.S. 2011 Annual Meeting of the International Society for Behavioral Nutrition and Physical Activity; Melbourne, Australia; June 2011.
 30. Barreira TV, Tudor-Locke C, Champagne C, **Broyles ST**, Harsha D, Kennedy BM, Johnson WD, Allen R, Katzmarzyk PT. Patterns of change in daily step counts, where does the change happen? 2nd International Conference on Ambulatory Monitoring of Physical Activity and Movement; Glasgow, Scotland; May 2011.
 29. Barreira T, Tudor-Locke C, Champagne C, **Broyles ST**, Harsha D, Kennedy B, Johnson WD, Katzmarzyk PT. Comparison of Yamax pedometer and GT3X accelerometer steps during free living situation. The American College of Sports Medicine 58th Annual Meeting; Denver,

- CO; May 2011.
28. Harrington DM, Tudor-Locke C, Champagne C, **Broyles ST**, Harsha D, Kennedy BM, Johnson WD, Allen R, Katzmarzyk PT. The translation of moderate-to-vigorous physical activity recommendations into pedometer-based stepping targets in the Lower Mississippi Delta. The American College of Sports Medicine 58th Annual Meeting; Denver, CO; May 2011.
 27. Katzmarzyk PT, Champagne C, Tudor-Locke C, **Broyles ST**, Harsha D, Kennedy B, Johnson WD. Intervention to induce short-term increases in moderate-to-vigorous physical activity in the Lower Mississippi Delta. The American College of Sports Medicine 58th Annual Meeting; Denver, CO; May 2011.
 26. **Broyles ST**, Mowen AJ, Theall KP, Gustat J, Rung AL. Park-based social capital and physical activity. The Obesity Society 28th Annual Scientific Meeting; San Diego, CA; October 2010.
 25. Champagne CM, **Broyles ST**, Lin PH, Batch BC, Lien LF, Funk KL, Dalcin A, Loria CM. Food and nutrient intakes and associations with successful weight loss and maintenance: the Weight Loss Maintenance Trial. The Obesity Society 28th Annual Scientific Meeting; San Diego, CA; October 2010.
 24. **Broyles ST**, Johnson WD, Katzmarzyk PT. Lack of significant ethnic and menopausal effects on the fat mass to fat-free mass relationship in women. 11th International Congress on Obesity; Stockholm, Sweden; July 2010.
 23. Sisson SB, **Broyles ST**, Baker BL. Characteristics of children in the U.S. who have a TV in their bedroom: National Survey of Children's Health 2007. International Society for Behavioral Nutrition and Physical Activity; Minneapolis, MN; June 2010.
 22. Sisson SB, **Broyles ST**, Baker BL, Katzmarzyk PT. Correlates of sedentary behavior and obesity in children in the U.S. 3rd International Conference on Physical Activity and Public Health; Toronto, Canada; May 2010.
 21. Camhi S, Katzmarzyk PT, **Broyles S**, Srinivasan SR, Chen W, Bouchard C, Berenson GS. Subclinical atherosclerosis and BMI-specific metabolic risk. Joint Conference on Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism; San Francisco, CA; March 2010.
 20. Rung A, **Broyles S**, Mowen A, Gustat J. Comparing Momentary Direct Observation with Self- Report of Park-Based Physical Activity Levels. Active Living Research Conference; San Diego, CA; February 2010.
 19. Mowen A, **Broyles S**, Gustat J, Rung A. Racial differences in park use. Oral presentation at Active Living Research Conference; San Diego, CA; February 2010.
 18. Rung A, Mowen A, **Broyles S**. The role of park features and conditions in shaping park visitation and physical activity. Oral presentation at Active Living Research Conference; San Diego, CA; February 2010.
 17. **Broyles S**, Sisson SB. Use of a Novel Analytic Approach to Study Differential Effects of Risk Factors Associated with Body Mass in Youth. Joint Conference on Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism; Innisbrook, FL; March 2009.
 16. **Broyles S**, Mowen A, Theall K, Rung A. Socializing and Softball: A Conceptual Model for Integrating Social Capital into a Park Use and Active Living Framework. Active Living Research Conference; San Diego, CA; February 2009.
 15. **Broyles S**, Katzmarzyk PT. A Closer Look at Access to Care: Amenable Mortality in Louisiana. NIH Summit: The Science of Eliminating Health Disparities; National Harbor, MD; December 2008.
 14. **Broyles S**, Sisson SB, Katzmarzyk PT. Eliminating Health Disparities through Policy Reform: The Louisiana Report Card on Physical Activity and Health for Children and Youth. NIH Summit: The Science of Eliminating Health Disparities; National Harbor, MD; December

- 2008.
13. **Broyles S**, Anderson S, Falgoust B, Ishikawa M, Laviolette M, Tridico C, Charbonnet D, Wilcox R, Welsh D. Effect of Early Bronchoscopy on Length of Hospital Stay among Patients with HIV- Associated Pneumonia. Infectious Diseases Society of America; San Diego, CA; October 2007.
 12. Besch CL, **Broyles S**. Impact of Hurricane Katrina on the Patient Characteristics of the HIV Outpatient Program (HOP), a Large Urban HIV Clinic. Infectious Diseases Society of America; Toronto, Ontario; October 2006.
 11. Clark RA, Schafe J, Mirabelli R, **Broyles S**, Besch CL, Kissinger P. The New Orleans HIV Outpatient Program Patient Experience with Hurricane Katrina. Infectious Diseases Society of America; Toronto, Ontario; October 2006.
 10. Wang S, **Broyles S**, Eloby-Childress S, et al. Comparison of QuantiFERON-TB (QFT) test with tuberculin skin test (TST) for detecting latent tuberculosis infection (LTBI) in HIV-infected individuals. Program and abstracts of the 45th Interscience Conference on Antimicrobial Agents and Chemotherapy; December 16-19, 2005; Washington, DC. Abstract H-1495.
 9. **Broyles S**, Myers L. Comparing diagnostic tests without a gold standard: How well does the Hui-Walter model really work? *Ann Epidemiol.* 2005;15:654-654.
 8. **Broyles S**, Myers L. Issues with using the kappa statistic (k) to compare diagnostic tests without a gold standard. International Biometric Society Eastern North American Region; Austin, TX; March 2005.
 7. Aldridge KE, Manders C, **Broyles S**. CAB-175, a new cephalosporin: comparison of in vitro activity to ceftriaxone and other FDA approved agents against clinical anaerobes. Interscience Conference on Antimicrobial Agents and Chemotherapy; Washington, DC; October 2004.
 6. Aldridge KE, Manders C, **Broyles S**. *In Vitro* Activity of Garenoxacin, a New des-F(6) Quinolone, Compared to Trovafloxacin, Gatifloxacin, and Non-Fluoroquinolone Agents Against Clinical Anaerobes. Infectious Disease Society of America; Boston, MA; September 2004.
 5. Aldridge KE, **Broyles S**. Antibiotic Resistance Markers (ARMS) in the *Bacteroides fragilis* group (Bfg): Clindamycin (CLIN), cefoxitin (FOX), and trovafloxacin (TROV) alone and in combination. Congress of the Anaerobe Society for the Americas; Annapolis, MD; July 2004.
 4. **Broyles S**. An Empirical Comparison of Imputation Methods for Use with Public Health Data. International Biometric Society Eastern North American Region; Pittsburgh, PA; March 2004.
 3. Aldridge KE, **Broyles S**, Master R. Clindamycin in contemporary OB-GYN: Considerations of antibiotic resistance among beta-hemolytic streptococci and anaerobes. Infectious Disease Society for Obstetrics-Gynecology; Hyannis, MA; August 2003.
 2. Posner S, Wendell D, **Broyles S**, Rugg D. Use of HIV Prevention Indicators to Monitor HIV/AIDS Trends among African Americans and Whites in Louisiana. National HIV Prevention Conference; Atlanta, GA; August 1999.
 1. **Broyles, S**. Extending the TDT – Using GEE to Test for Linkage. International Biometric Society Eastern North American Region; Atlanta, GA; March 1998.

Other miscellaneous

7. Staiano AE, Frelief JM, Marker AM, Hsia DS, **Broyles ST**. *White paper to develop a model care-based program to reduce childhood obesity (white paper)*.
6. *West Carroll Healthy Communities 2014 Health Assessment*. Available at <http://www.pbrc.edu/healthywestcarroll/>. (March 2015)
5. Gottshall B, Gillespie J, **Broyles S**. Factors influencing access to fresh fruits and vegetables

- in Baton Rouge, Louisiana, No 196807. 2015 Annual Meeting, Southern Agricultural Economics Association 2015; <http://EconPapers.repec.org/RePEc:ags:saea15:196807>
4. **Broyles ST**, Drazba KT. *Retrospective evaluation of Baptist Community Ministries investments in policy change to reduce or prevent childhood obesity (white paper)*.
 3. *Reducing Childhood Obesity in Louisiana: An Evidence-based Approach to Inform Policy Decisions*. Available at <http://www.pbrc.edu/prism/>. (October 2013)
 2. *Evaluation of the Medical Monitoring Project (MMP): Effects of Design, Implementation, and Infrastructure Supports on MMP Data Use*. Prepared for the Behavioral and Clinical Surveillance Branch of the Division of HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, Centers for Disease Control and Prevention (CDC), Atlanta, Georgia. (March 2011)
 1. *Integrated Epidemiologic Profile for HIV/AIDS Prevention and Care Planning--Louisiana, 2002*. (Louisiana lead author) In "Integrated Guidelines for Developing Epidemiologic Profiles: HIV Prevention and Ryan White CARE Act Community Planning". http://www.cdc.gov/hiv/topics/surveillance/resources/guidelines/epi-guideline/la_supp/index.htm

INVITED TALKS AND LECTURES (2008 – present)

23. "Play Streets for Safe Play: Bringing the concept to high-risk neighborhoods in Baton Rouge." Louisiana Recreation and Park Association 2016 Annual Convention. Lake Charles, LA. (April 26, 2016)
22. "Community-based participatory research, health disparities, and the environment." Cancer and Health Disparities: From Molecules to Communities, Stanley S. Scott Cancer Center, New Orleans, LA. (April 15, 2016)
21. "Play Streets for Safe Play: Bringing the concept to high-risk neighborhoods in Baton Rouge." Department of Sociology, Louisiana State University, Baton Rouge, LA. (April 7, 2016)
20. "Play Streets for Safe Play: Brief overview and pilot results." 2016 Health Summit: Creating an Agenda for a Healthier Louisiana, Baton Rouge, LA. (March 29, 2016)
19. "Playgrounds, and Policy, and Partnerships! Oh, my! The *Challenge for a Healthier Louisiana* grant program's attempt to reduce obesity in one of the heaviest states in the U.S." Invited seminar to the Division of Nutrition, Physical Activity, and Obesity; Centers for Disease Control and Prevention; Atlanta, GA. (January 21, 2015)
18. "Studying the role of school environments in childhood obesity: preliminary evidence from 12 countries." Canadian Society of Exercise Physiology 2014 Annual Meeting, St. John's, Newfoundland, Canada. (October 15, 2014)
17. A research agenda for parks, recreation, and physical activity. National Association of County Parks and Recreation Officials 2014 Conference, New Orleans, LA. (July 14, 2014)
16. Improving Physical Activity Interventions: Systems Science for Success. 2014 Louisiana Public Health Association Annual Conference, Baton Rouge, LA. (April 25, 2014)
15. Social equity in the context of physical activity interventions. 5th International Congress on Physical Activity & Public Health; Rio De Janeiro, Brazil. (April 11, 2014)
14. Implement Successful Strategies & Create Healthy Living Spaces. 2014 Louisiana Recreation and Parks Association Conference; Baton Rouge, LA. (April 2, 2014)
13. School Support for Physical Activity and Healthy Weight. Pennington Biomedical Research Center Childhood Obesity and Public Health Conference: Childhood Obesity in Louisiana: Developing and Evidence-based Policy Agenda; Baton Rouge, LA. (April 1, 2014)

12. Getting Our Kids To Be Physically Active... Does It Take a Village? Bruce Everist
Lecture, Louisiana Tech University School of Human Ecology, Ruston, LA. (February
20, 2014)
11. Why Does the Environment Matter for Health Promotion Programs? Louisiana State
University/Southern University Agriculture Centers and College of Agriculture Annual
Conference, Baton Rouge, LA. (December 17, 2013)
10. Fruit/Vegetable Access & Obesity: Reality, Misconceptions, and Missing Links. Baton
Rouge Dietetic Association, Baton Rouge, LA. (February 6, 2013)
9. Who are the People in Your Neighborhood? How Family, Friends, and Neighbors Make
Us Fat (or My Friends, Family, or Neighbors Are Like Me... What Does This Mean for
Obesity Research, Prevention, and Treatment?). New Data and Tools for the Obesity
Epidemic. American Heart Association 2012 Scientific Sessions, Los Angeles, CA.
(November 7, 2012)
8. Using Evidence to Inform Public Policy: Results of Systems Models for Louisiana.
Pennington Biomedical Research Center Childhood Obesity and Public Health
Conference: Childhood Obesity in Louisiana: Developing and Evidence-based Policy
Agenda; Baton Rouge, LA. (October 24, 2012)
7. Obesity: Zip Code or Genetic Code? Pennington Biomedical Research
Foundation Council of 100 Lunch Series, Baton Rouge, LA. (September 10, 2012)
6. Louisiana's Report Card on Physical Activity & Health for Children and Youth: Advocacy,
Evaluation, and Target Setting. School Nutrition Association of Louisiana 59th Annual
Conference, Monroe, LA. (June 14, 2012)
5. Obesity and Poverty. Feeding American Central Region Conference. Baton Rouge,
LA. (October 26, 2011)
4. Using Available Data for Advocacy and Target Setting. New Orleans Childhood
Obesity Prevention Partnership: How We Will Measure Our Success. New Orleans,
LA. (October 25, 2011)
3. Integrating Social Capital into a Park-Use and Active-Living Framework. Invited video
pubcast to accompany article highlight by American Journal of Preventive Medicine.
(April 5, 2011) <http://www.scivee.tv/node/28326>
2. Women and Weight: Health Risks across the Lifecycle & the Role of the Built
Environment. Lunch and Learn Forum, Lafayette, LA. (October 6, 2010)
1. Physical Activity and Health of Louisiana's Youth: State Report Card 2010. Pennington
Biomedical Research Center Childhood Obesity and Public Health Conference:
Developing an Evidence-based Childhood Obesity Strategy: The Importance of
Evaluation; Baton Rouge, LA. (September 29, 2010)

COMMERCIALIZATION: none

SERVICE

Editor/Editorial Board: PLOS ONE (2012 – present)

Ad Hoc Manuscript Reviewer

American Journal of Preventive Medicine (2011-16)

American Journal of Public Health (2009-10)

Annals of Epidemiology (2007)

BMC Public Health (2015)

Environment & Behavior (2012, 2015)

Health and Place (2015)

International Journal of Behavioral Nutrition and Physical Activity (2009, 2014, 2015)

International Journal of Obesity (2010-11)
International Journal of Pediatric Obesity (2009, 2011)
Journal of Child Psychology and Psychiatry (2014)
Journal of Environmental Planning and Management (2012)
Journal of Health Care for the Poor and Underserved (2009-12)
Journal of Physical Activity and Health (2014)
Medicine & Science in Sports & Exercise (2012, 2015-16)
Molecular Diagnosis & Therapy (2013)
Obesity (2014-15)
Pediatric Exercise Science (2015)
Pediatric Obesity (2012)
Pediatrics (2011-12, 2014)
PLOS ONE (2011-12)
Preventing Chronic Disease (2009)
Preventive Medicine (2009, 2011-16)
Social Science in Medicine (2014)
Research Quarterly for Exercise and Sport (2013)

Committee Assignments

International

1. Advisory Group to the International Children's Accelerometry Database (ICAD) Project (Member, 2015-present)

National

2. Invited participant for workshop "Advancing dissemination and implementation research on walking and walkability: developing research priorities" and associated working groups. Workshop organized by America Walks, PAPRN+, and Active Living Research. Workshop supported by NIH ODP, NIH NCI, and NIH OBSSR. (2016)
1. Moderator for session "Meeting the Challenge of Physical Activity in Children and Adolescents." American Heart Association 2012 Scientific Sessions, Los Angeles, CA. (2012)

Institutional

12. Institutional Review Board, Pennington Biomedical Research Center (Member, 2015-present).
11. Participant recruitment task force, Pennington Biomedical Research Center (Member, 2014).
10. Invited Speakers Committee, Pennington Biomedical Research Center (Member, 2013-present)
9. Recruitment Committee, Pennington Biomedical Research Center (Member, 2013-present)
8. Library Committee, Pennington Biomedical Research Center (Member, 2011-13)
7. Cancer Prevention Expert Panel, Pennington Biomedical Research Center (PBRC liaison, 2010).
6. Continuing Quality Improvement (CQI) Committee, MCLNO HIV Outpatient Program Clinic (Chairman, 2005-08; Member 2003-05)
5. Research Committee, MCLNO HIV Outpatient Program Clinic (Member 2003-08)
4. Joint Epidemiology/Biostatistics Curriculum Task Force, LSUHSC School of Public Health (Chairman, 2006-08)
3. Recruitment Committee, LSUHSC School of Public Health (Recruiter/Member, 2007-08)
2. Practice Placement Committee, LSUHSC School of Public Health (Member, 2006-08)
1. Epidemiology Program Student Application Committee, LSUHSC School of Public Health

(Member, 2004-08)

Grant Reviews

6. NIH/NIGMS Louisiana Clinical and Translational Science Center (LA CaTS) Pilot Grants Program, Round 4 (October 2015)
5. NIH/NIGMS Louisiana Clinical and Translational Science Center (LA CaTS) Pilot Grants Program, Round 3 (October 2014)
4. LSU Improving Clinical Outcomes Network Intramural Projects (2013)
3. Blue Cross Blue Shield of Louisiana Foundation, Challenge Grants for a Healthier Louisiana (June 2012)
2. Wellcome Trust (March 2009)
1. Special Emphasis Panel for RFA PS08-001: National HIV Behavioral Surveillance System (U62), Centers for Disease Control and Prevention. (October 2007)

Consultant Positions/ Advisory Boards/ Board of Directors

14. Mayor's Health City Initiative: Board of Directors (Proxy for PBRC Executive Director, 2011-present)
13. Mayors' Health City Initiative: Innovation Center Advisory Board (Lead, 2011-13)
12. East Baton Rouge Parish Food Access Policy Commission (by appointment of EBR Parish Mayor Holden) (Commissioner/Committee Chair, 2013-2015)
11. Advisory Group to update the Statewide Comprehensive Outdoor Recreation Plan (SCORP) for the Louisiana Office of State Parks (Member, 2013-2014)
10. Centers for Disease Control and Prevention. Revision to surveillance case definition for HIV infection (Consultant/Peer reviewer, 2007)
9. Centers for Disease Control and Prevention. Consultation on HIV incidence estimation, Atlanta, GA (Invited participant/consultant, 2007)
8. Centers for Disease Control and Prevention. Consultation on HIV incidence estimation, Atlanta, GA (Invited participant/consultant, 2006)
7. Centers for Disease Control and Prevention, World Health Organization (WHO), United States Agency for International Development (USAID), UNAIDS. Conference and workgroup on "New Strategies for HIV/AIDS Surveillance in Resource-Constrained Countries." Addis Abbaba, Ethiopia. (Invited participant/consultant, 2004)
6. Centers for Disease Control and Prevention on behalf of the Strategic Information Workstream of the President's Emergency Plan for AIDS Relief (PEPFAR). Workshop to brainstorm strategies to strengthen HIV/AIDS surveillance in resource-constrained settings. Atlanta, GA. (Invited participant/consultant, 2004)
5. Centers for Disease Control and Prevention. Consultation to develop the Morbidity Monitoring Project. Denver, CO. (Invited participant/consultant, 2003)
4. Centers for Disease Control and Prevention, Health Resources and Services Administration (HRSA). Consultation to revise the guidelines for creating HIV epidemiologic profiles. Baltimore, MD. (Invited participant/consultant, 2002)
3. Centers for Disease Control and Prevention. Consultation to revise HIV risk classification. Atlanta, GA (Invited participant/consultant, 2001)
2. Centers for Disease Control and Prevention. Consultation on perinatal HIV transmission. Atlanta, GA (Invited participant/consultant, 2001)
1. Centers for Disease Control and Prevention. Consultation to develop methods to track HIV incidence. Atlanta, GA (Invited participant/consultant, 2001)

Conference Organization

2. Symposium Organizer: Assessment of the School Physical Activity Environment. International Society for Behavioral Nutrition and Physical Activity. San Diego, CA, May 21-24, 2014.

1. Conference Chair: Healthy Spaces, Happy Faces: Creating Healthier Environments for Louisiana Youth. Pennington Biomedical Research Center Conference Center, Baton Rouge, LA, April 1, 2014.

TEACHING AND MENTORING

Courses Taught

8. *Multilevel Design and Analysis*, Louisiana State University Health Sciences Center School of Public Health (2013-).
7. *Applied Multivariable Regression Analysis*, Louisiana State University Health Sciences Center School of Public Health (2013-).
6. *Applied Multilevel Analysis* (a workshop for researchers from the International Study of Childhood Obesity, Lifestyle, and the Environment). Pennington Biomedical Research Center (2014).
5. *Epidemiologic Design and Analysis*, Louisiana State University Health Sciences Center School of Public Health (2013).
4. *Field Epidemiology (Epidemiology Program Capstone Course)*, Louisiana State University Health Sciences Center School of Public Health (2004-08).
3. *Introduction to R*, Tulane University School of Public Health and Tropical Medicine (2003).
2. *Introduction to BMDP*, Tulane University School of Public Health and Tropical Medicine (1997-98, 2002).
1. *Introduction to SAS*, Tulane University School of Public Health and Tropical Medicine (1997-98, 2002).

"You are the best teacher that I can ask for. I mean you are the BEST among all teachers I met, including those who speak my native language. I like the way you think, or the way you help us to think (think the problems as well as the solutions). This is really important for a PhD student. Thanks for all of that and all the time you spent on me." – unsolicited feedback from a recent PhD student

Guest Lectures

6. "Contextual risk factors in obesity and related diseases." HUEC 7005 Molecular and Clinical Nutrition II. Pennington Biomedical Research Center (2016)
5. "Environmental factors in nutrition and physical activity." FCS 442: Childhood Obesity, Southeastern Louisiana University. (2015-16)
4. "Multilevel modeling." EPID 7201: Advanced Epidemiologic Methods II, Louisiana State University Health Sciences Center School of Public Health. (2015-16)
3. "Poisson regression." EPID 6226: Epidemiologic Design and Analysis (2014).
2. "Epidemiology and population studies." Graduate seminar, Southern University (2009)
1. "Writing Articles and Case Reports." LSUHSC PACE-HOPE Professional Advancement Workshop Series (2007)

Graduate Students and Postdoctoral Fellows Supervised

Graduate Students

9. Kara Dentre (Ph.D.) *Longitudinal relationships among physical activity, obesity and telomere length, a biomarker of chronic psychological stress, in a pediatric population.* Behavioral and Community Health Sciences Program, Louisiana State University Health Sciences Center School of Public Health.
8. Jami Montagnino (M.D. student). T35 Tulane/Pennington Biomedical Research Summer Research Elective for Medical Students (Summer 2015).
7. Kaitlin Hanken (2015 M.P.H.) Practice experience/capstone: Play Streets for Safe Play, a pilot study. School of Public Health, Louisiana State University Health Sciences Center.

6. Noelle Hadley (2016 M.P.H.) Practice experience: Using EMR data to assess prevalence of obesity comorbidities in pediatric patients. School of Public Health and Tropical Medicine, Tulane University.
5. Amanda Carruth (2014 M.P.H.) Practice experience/capstone: Measurement of food deserts in Baton Rouge, Louisiana. School of Public Health, Louisiana State University Health Sciences Center.
4. Kelsey Dean Griffith (2014 M.P.H.) Practicum: Trends in East Baton Rouge Parish food deserts practicum. School of Public Health and Tropical Medicine, Tulane University.
3. Laurie Chaisson (2012 M.P.H.) Practice experience: Assessment of park availability throughout Louisiana. School of Public Health, Louisiana State University Health Sciences Center.
2. Adaire O'Brien (2011 M.P.H.) Practice experience: Assessment of park availability throughout Louisiana. School of Public Health, Louisiana State University Health Sciences Center.
1. Marion DuBois (2009 M.P.H.) Practice experience: Development of tools to assess the park social environment practice experience. School of Public Health, Louisiana State University Health Sciences Center.

Postdoctoral fellows

5. Maura Mohler Kepper, Ph.D. (2016-) Postdoctoral fellow. Pennington Biomedical Research Center.
4. Samaah Sullivan, Ph.D. (2015-16) Postdoctoral fellow. Pennington Biomedical Research Center.
3. Candice Myers, Ph.D (2012-) Postdoctoral fellow. Pennington Biomedical Research Center.
2. Patrick Njoku, M.D. (2007-08) Infectious Disease Fellow. *Increased creatinine among HIV-infected patients on tenofovir*. Infectious Disease Section, Louisiana State University Health Sciences Center (Co-supervised with Rebecca Clark, M.D. Ph.D.).
1. Serge Lartchenko, M.D. (2006-07) Infectious Disease Fellow. *Tolerability of hepatitis C treatments among HIV-infected patients*. Infectious Disease Section, Louisiana State University Health Sciences Center (Co-supervised with Rebecca Clark, M.D. Ph.D.).

Theses and Dissertation Committees:

4. Melissa Goldin Evans (Ph.D.) *Patient, provider, and policy factors associated with the update of long-acting reversible contraceptives among the Louisiana Medicaid population at risk for unintended pregnancy*. Behavioral and Community Health Sciences Program, LSUHSC School of Public Health.
3. Maura Mohler Kepper (Ph.D. 2016) *Parental perceptions of collective efficacy are inversely related to constraint of adolescent's outdoor physical activity*. Behavioral and Community Health Sciences Program, LSUHSC School of Public Health.
2. Meagan Brown Zarwell (Ph.D. 2016) *Subgroups of men who have sex with men, social capital, and HIV risk behaviors: a mixed methods study*. Behavioral and Community Health Sciences Program, LSUHSC School of Public Health.
1. Yilin Xu Yoshida (Ph.D. 2016) *Diet and obesity in Mexican Americans: influences of acculturation and social support*. Behavioral and Community Health Sciences Program, LSUHSC School of Public Health.

Mentoring of junior faculty: none