

# Jordan A. Carlson, PhD, MA

Curriculum Vitae

1/2019

ResearchGate profile: [www.researchgate.net/profile/Jordan\\_Carlson/](http://www.researchgate.net/profile/Jordan_Carlson/)Scholar profile: [scholar.google.com/citations?user=1vjwGAYAAAAJ&hl=en&oi=ao](http://scholar.google.com/citations?user=1vjwGAYAAAAJ&hl=en&oi=ao)

My NCBI:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/jordan.carlson.1/bibliography/46314957/public/?sort=date&direction=ascending>

Research Assistant Professor &  
 Director of Community-Engaged Health Research  
 Center for Children's Healthy Lifestyles and Nutrition  
 Children's Mercy Kansas City

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## EDUCATION

- 2009-2012 PhD, Public Health  
 Concentration: Health Behavior Science  
 Dissertation title: Child Physical Activity in Relation to School Physical Activity Practices  
 Institution: University of California, San Diego and San Diego State University (Joint Doctoral Program)
- 2007-2009 MA, Experimental Psychology  
 Concentration: Health Psychology  
 Institution: San Diego State University
- 2000-2005 BA, Psychology  
 Institution: University of Kansas

## AREAS OF CURRENT RESEARCH INTEREST

- Improving uptake of environment and policy approaches for supporting physical activity in youth
- Using technology and multi-source data to design and inform school- and community-based physical activity programs and policies

## POSITIONS HELD

- 2015-present Director of Community-Engaged Health Research  
 Center for Children's Healthy Lifestyles and Nutrition, Children's Mercy Hospital
- 2015-present Research Assistant Professor  
 Department of Pediatrics, School of Medicine, University of Missouri-Kansas City
- 2015-present Adjunct Research Assistant Professor  
 Department of Pediatrics, University of Kansas Medical Center
- 2013-2015 NIH T32 Postdoctoral Fellow  
 Department of Family Medicine and Public Health, School of Medicine, University of California San Diego

## ADDITIONAL INTENSIVE TRAININGS

- June 2015- Mentored Training in Dissemination and Implementation Research in Cancer
- June 2017 Two-year mentored training hosted by Washington University and sponsored by the National Cancer Institute. Details at: <http://mtdirc.org/>

- Summer 2014 Tahoe Seminar on the Epidemiology and Prevention of Cardiovascular Disease  
14-day postgraduate course hosted by the American Heart Association and National Heart, Lung, and Blood Institute (40th annual meeting). Details at:  
[http://my.americanheart.org/professional/Sessions/AdditionalMeetings/EPI10Day/Ten-Day-Seminar-on-the-Epidemiology-and-Prevention-of-Cardiovascular-Disease\\_UCM\\_320861\\_Article.jsp](http://my.americanheart.org/professional/Sessions/AdditionalMeetings/EPI10Day/Ten-Day-Seminar-on-the-Epidemiology-and-Prevention-of-Cardiovascular-Disease_UCM_320861_Article.jsp)
- Summer 2013 Physical Activity and Public Health Course  
8-day postgraduate course on research directions in physical activity public health. Hosted by the University of South Carolina and sponsored by the Centers for Disease Control and Prevention. Details at: <http://www.sph.edu/paph/>

## HONORS AND AWARDS

\*Since starting at CMH/UMKC

- \*2016 Research Writing Award. Awarded by the Society of Health and Physical Educators (SHAPE America) Research Council for: Esteban-Cornejo, I., Carlson, J.A., Conway, T.L., Cain, K., Saelens, B.E., Frank, L.D., Glanz, K., Roman, C.G., & Sallis, J.F. (2016). Parental and adolescent perceptions of neighborhood safety related to adolescents' physical activity in their neighborhood. *Research Quarterly for Exercise and Sport*, 87(2), 191-199.
- 2014 US Seminar Competitive Meritorious Scholarship, American Heart Association. \$3500 scholarship awarded to the top applicant from a pool of 32 Fellows, based on application score, to the Tahoe National Seminar on the Epidemiology and Prevention of Cardiovascular Disease.
- 2014 Early Career Invited Lecture Award, International Society of Behavioral Nutrition and Physical Activity. Awarded to two 2 scientists based on nomination and credentials.
- 2013 Citation Abstract Award, Society of Behavioral Medicine
- 2013 Meritorious Student Abstract Award, Society of Behavioral Medicine
- 2012 Achievement Rewards for College Scientists Scholarship. \$7500 scholarship awarded to the top 17 doctoral student scientists at University of California San Diego, nominated for their achievement in research, from a pool of 16 doctoral programs representing hundreds of students. Details at: [https://www.arcsfoundation.org/san\\_diego/](https://www.arcsfoundation.org/san_diego/)
- 2008 Staff Award, University of California San Diego Department of Family and Preventive Medicine

## GRANTS AND CONTRACTS AWARDED

\*Since starting at CMH/UMKC

### Current Research Support:

- \*1 R01DK114513-01 Kerr (PI) 09/01/2018-08/31/2023  
Title: Novel Computational Techniques to Detect the Relationship between Sitting Patterns and Metabolic Syndrome in Existing Cohort Studies  
Details: The goal of this study is to develop and apply an algorithm to assess sedentary bout patterns from hip-worn accelerometers across the age span. In response to PAR-12-198: Improving Diet and Physical Activity Assessment.  
Amount: \$2,620,067  
Role: Co-Investigator
- \*1 R03HD096097-01 Carlson (PI) 09/01/2018-08/31/2020  
Project Title: Understanding obesity-related behaviors and the role of school and non-school environments using location-based measures  
Details: The goal of this study is to investigate the role location-specific and location-general multilevel factors in relation to physical activity, sedentary time, and dietary intake in young adolescents.  
Amount: \$150,000

Role: PI

\*Katharine B. Richardson Foundation Carlson (PI) 10/01/2017-09/30/2019

CMH Research Institute (competitive)

Title: Improving Implementation of Classroom Physical Activity Programs

Details: The goal of this study is to investigate how existing classroom physical activity programs can reach a larger number of students and have greater impacts on health. We will assess materials (e.g., teacher training manuals) provided by existing programs, and collect information from end-users (e.g., classroom teachers) on the barriers and facilitators faced when implementing such programs. Funded by the Katharine B. Richardson award for pilot research at Children's Mercy.

Amount: \$39,922

Role: PI

\*1 R01DK106209-01 Allison/Gallo (MPIs) 07/01/2015-06/30/2019

National Institutes of Health

Title: Neighborhood Environments and Metabolic Health in Hispanics/Latinos

Details: This ancillary study to the Hispanic Community Health Study/ Study of Latinos aims to investigate built and social neighborhood environment impacts on cardiometabolic health in Latinos. In response to PAR-12-265: Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the NIDDK.

Amount: \$2,256,487

Role: Co-Investigator

\*KUMC Clinical Pilot Award Mische Lawson (PI) 07/01/2018-06/30/2019

KUMC Research Institute (competitive)

Title: Physical Activity in Overweight/Obese Children with ASD Participating in Sensory Enhanced Aquatics

Details: The goal of this study is to determine the extent to which Sensory Enhanced Aquatics 1) increases moderate to vigorous physical activity, and 2) improves parent/child function.

Amount: \$20,000

Role: Co-Investigator

\*1 R03HD088776-01 Carlson (PI) 04/01/2017-03/31/2019

National Institutes of Health

Title: Implementation Strategies and Effectiveness for Walking School Bus Programs

Details: The goal of this study is to use an Implementation Science framework to assess implementation contextual factors and implementation outcomes in existing Walking School Bus programs. In response to PAR-16-237: Dissemination and Implementation Research in Health.

Amount: \$163,380

Role: PI

\*KUMC CTSA Dr. Lauren S. Aaronson Mische Lawson (PI) 01/30/2018-06/30/2018

Trailblazer Funding

KUMC Frontiers (competitive)

Title: Physical Activity in Children with ASD Participating in Sensory Enhanced Aquatics

Details: The goal of this study is to determine the feasibility of Actigraph and Garmin Forerunner/HRM Swim for measuring activity levels and heart rate of children with ASD participating in Sensory Enhanced Aquatics..

Amount: \$4,552

Role: Co-Investigator

\*Aetna Foundation Community Grant BikeWalkKC (PI) 08/01/2017-01/31/2019

Competitive Community Grant

Title: Building Collective Health: Community Interventions for Northeast Kansas City

Details: To implement and evaluate quick build streetscape improvements projects and earn-a-bike programs and health and mode of transportation.

Amount: \$75,000

Role: Evaluator

\*JPB Foundation NCCOR 04/01/2018-08/31/2018

Title: Measures Registry Teaching Modules

Details: The National Collaborative on Childhood Obesity Research (NCCOR), a collaboration among CDC, NIH, RWJF, and USDA, manages searchable database of diet and physical activity measures relevant to childhood obesity research (<https://www.nccor.org/nccor-tools/measures/>). This goal of this JPB Foundation grant is to create content for a set of teaching modules related to the Physical Activity Environment User Guide.

Role: Consultant

\*Missouri Foundation for Health Grant Collie-Akers (PI) 06/01/2017-05/31/2018

Competitive Research Grant

Title: Evaluation of the Healthy Schools Healthy Communities Initiative.

Details: This project consists of implementation of a robust evaluation of an initiative promoting healthy eating and active living in 33 school districts in the state of Missouri.

Role: Consultant

### **Completed Research Support:**

\*1 R21CA194492-01 Carlson (PI) 02/01/2016-01/31/2018

National Institutes of Health

Title: Ecological Video Analysis for Automated Assessment of Physical Activity (E-VIP)

Details: The goal of this study is to develop and validate novel video analysis algorithms for automated ecological assessment of physical activity in settings. In response to PAR-12-197: Improving Diet and Physical Activity Assessment.

Amount: \$352,164

Role: PI

\*Institutional Equipment Grant Carlson (PI) 10/01/2017

Competitive Research Equipment Grant

Title: Equipment grant from the Center for Children's Healthy Lifestyles and Nutrition (Children's Mercy Hospital and University of Kansas Medical Center), providing accelerometer and global positioning systems (GPS) devices.

Amount: \$7,500

Role: PI

\*JPB Foundation NCCOR 11/24/2015-04/12/2016

Title: Measures Registry Users Guide

Details: The National Collaborative on Childhood Obesity Research (NCCOR), a collaboration among CDC, NIH, RWJF, and USDA, manages searchable database of diet and physical activity measures relevant to childhood obesity research (<https://www.nccor.org/nccor-tools/measures/>). This goal of this JPB Foundation grant is to develop User's Guides for the four focus areas of the registry: Individual Diet, Food Environment, Individual Physical Activity, and Physical Activity Environment.

Role: Consultant

T32 HL79891 Criqui (PI) 04/01/2013-03/31/2015

Title: Influences and Endpoints of Physical Activity for Public Health

Details: The goal of this fellowship is to gain training in cardiovascular disease epidemiology and behavioral medicine and advance research on physical activity and chronic disease.

Role: Postdoctoral Fellow

- California Endowment Research Grant Sallis (PI) 06/01/2013-3/31/2015  
 Title: Impacts of Classroom Physical Activity Interventions  
 Details: The goal of this project is to investigate impacts of classroom physical activity breaks on students' concentration, behavior and amount of physical activity during school.  
 Amount: \$150K  
 Role: Co-Investigator
- California Endowment Evaluation Grant Ryan (PI) 08/01/2013-07/31/2014  
 Title: Ciclovía Open Streets Event  
 Details: The goal of this project is to evaluate impacts of the CicloSDias open streets bicycling event on social capital, businesses, and public health.  
 Amount: \$20K  
 Role: Co-Investigator
- California Endowment Dissertation Grant Carlson (PI) 01/01/2012-12/31/2013  
 Title: Identifying Best Practices for School-Based Physical Activity  
 Details: The goal of this project was to investigate associations between existing school physical activity-related practices and students' objectively measured physical activity during school.  
 Amount: \$50K  
 Role: PI
- SD County HHS Subcontract Carlson (awardee) 09/01/2011-3/31/2012  
 Title: CDC's Communities Putting Prevention to Work  
 Details: This subcontract involved evaluating multiple community-based interventions for improving physical activity and nutrition environments and behaviors.  
 Amount: \$5K  
 Role: Awardee
- CA Department of Transportation Subcontract Carlson (awardee) 04/01/2010-02/28/2011  
 Title: Health Equity by Design  
 Details: This subcontract involved process and outcome evaluation of youth advocacy for built environment improvements in underserved communities.  
 Amount: \$7K  
 Role: Awardee
- Kaiser Permanente Subcontract Carlson (awardee) 11/01/2010-12/31/2010  
 Title: Next Steps Walkability Project  
 Details: This subcontract involved evaluating impacts of a community-based advocacy program on (1) awareness and perceptions of physical activity-support built environment strategies and (2) progress towards environmental changes.  
 Amount: \$4K  
 Role: Awardee
- CA Department of Public Health Mini-grant Carlson (PI) 06/01/2010-08/31/2010  
 Title: Implementation and Monitoring of State Policies for Physical Activity in Schools  
 Details: The goal of this project was to conduct interviews with Department of Education staff to assess levels of and strategies for implementing existing state policies for school physical activity.  
 Amount: \$3K  
 Role: PI

## PUBLICATIONS

My NCBI:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/jordan.carlson.1/bibliography/46314957/public/?sort=date&direction=ascending>

**Original Research:**

\*Since starting at CMH/UMKC

□Denotes supervision of student(s)

- \*68. □Bejarano, C.M., **Carlson, J.A.**, Cushing, C.C. Kerr, J., Saelens, B.E., Frank, L.D., Glanz, K., Cain, K.L., Conway, T.L., & Sallis, J.F. (2019). Neighborhood built environment associations with adolescents' location-specific sedentary and screen time. *Health & Place*, in press.
- \*67. **Carlson, J.A.**, Bellettiere, J., Kerr, J., Salmon, J., Timperio, A., Verswijveren, S.J.J.M., & Ridgers, N.D. (2019). Day-level sedentary pattern estimates derived from hip-worn accelerometer cut-points in 8-12 year olds: Do they reflect postural transitions? *Journal of Sports Sciences*, in press.
- \*66. □Calvert, H., Lane, H., Bejarano, C., Snow, K., Hoppe, K., Alfonsin, N., Turner, L., & **Carlson, J.A.** (2018). Inclusion of Theory-Based Implementation Factors in Packaged and Adoption-Ready Classroom Physical Activity Programs. *Translational Behavioral Medicine*, in press.
- \*65. Katzmarzyk, P.T., Denstel, K.D., Beals, K., **Carlson, J.A.**, Crouter, S.E., McKenzie, T.L., Pate, R.R., Sisson, S.B., Staiano, A.E., Stanish, H., Ward, D.S., Whitt-Glover, M., Wright, C. (2018). Results from the United States 2018 report card on physical activity for children and youth. *Journal of Physical Activity and Health*, 15(Suppl 2), S422-424.
- \*64. Gallo, L.C., **Carlson, J.A.**, Sotres-Alvarez, D., Sallis, J.F., Jankowska, M.M., Roesch, S.C., Gonzalez, F., Geremia, C.M., Talavera, G.A., Rodriguez, T., Castañeda, S.F., Allison, M.A. (2018). The HCHS/SOL community and surrounding areas study (SOL CASAS): sample, design, and procedures. *Annals of Epidemiology*, in press.
- \*63. **Carlson, J.A.**, Hipp, J.A., Kerr, J., Horowitz, T., & Berrigan, D. (2018). Unique views on obesity-related behaviors and environments: research using still and video images. *Journal for the Measurement of Physical Behavior*, in press.
- \*62. □Borner, K., □Mitchell, T., **Carlson, J.A.**, Kerr, J., Saelens, B.E., Schipperijn, J., Frank, L.D., Conway, T.L., Glanz, K., Chapman, J.E., Cain, K.L., Sallis, J.F. (2018). Latent profiles of young adolescents' physical activity across five locations on schooldays. *Journal of Transport & Health*, in press.
- \*61. Shook, R.P., Halpin, K., **Carlson, J.A.**, Davis, A., Dean, K., Papa, A., Sherman, A., Noel-MacDonnell, J., Summar, S., Krueger, G., Markenson, D., Hampl, S. (2018). Compliance with multiple national healthy lifestyle recommendations as assessed in a large pediatric center electronic health record is associated with reduced risk of obesity. *Mayo Clinical Proceedings*, 93(9), 1247-1255.
- \*60. **Carlson, J.A.**, Frank, L.D., Ulmer, J., Conway, T.L., Saelens, B.E., Cain, K.L., & Sallis, J.F. (2018). Work and Home Neighborhood Design and Physical Activity. *American Journal of Health Promotion*, 32(8), 1723-1729.
- \*59. Sallis, J.F., Conway, T.L., Cain, K.L., **Carlson, J.A.**, Frank, L.D., Kerr, J., Glanz, K., Chapman, J.E., & Saelens, B.E. (2018). Neighborhood built environment and socioeconomic status in relation to physical activity, sedentary behavior, and weight status of adolescents. *Preventive Medicine*, 110, 47-54.
- \*58. □Serrano, N., Perez, L.G., **Carlson, J.A.**, Patrick, K., Kerr, J., Holub, C., & Arredondo, E.M. (2018). Sub-population differences in the relationship between the neighborhood environment and Latinas' daily walking and vehicle time. *Journal of Transport & Health*, 8, 210-219.
- \*57. Kerr, J., **Carlson, J.A.**, Godbole, S., Cadmus-Bertram, L., Bellettiere, J., & Hartman, S. (2018). Improving hip worn accelerometer estimates of sitting using machine learning methods. *Medicine & Science in Sports & Exercise*, 50(7), 1518-1524.
- \*56. □Berman, M., □Bozskik, F., Shook, R.P., Meissen-Sebelius, E., Markenson, D., Summar, S., DeWit, E., & **Carlson, J.A.** (2018). Evaluation of the Healthy Lifestyles Initiative for improving community capacity for childhood obesity prevention. *Preventing Chronic Disease*, 15, E24.
- \*55. □Bozskik, F., □Berman, M., Shook, R.P., Summar, S., DeWit, E., & **Carlson, J.A.** (2018). Implementation contextual factors related to youth advocacy for healthy eating and active living. *Translational Behavioral Medicine*, 8, 696-705.

- \*54. **Carlson, J.A.**, <sup>□</sup>Liu, B., Sallis, J.F., Kerr, J., Hipp, J.A., Staggs, V.S., Papa, A., Dean, K., & Vasconcelos, N.M. (2017). Automated ecological assessment of physical activity: advancing direct observation. *International Journal of Environmental Research and Public Health*, *14*, 1487.
- \*53. Norman, G., **Carlson, J.A.**, Patrick, K., Kolodziejczyk, J., Godino, J., Huang, J., & Thyfault, J. (2017). Sedentary behavior and cardiometabolic health associations in obese 11-13 year olds. *Childhood Obesity*, *13*(5), 425-432.
- \*52. **Carlson, J.A.**, <sup>□</sup>Engelberg, J.K., Cain, K.L., Conway, T.L., Geremia, C., Bonilla, E., Kerner, J., & Sallis, J.F. (2017). Contextual factors related to implementation of classroom physical activity breaks. *Translational Behavioral Medicine*, *7*(3), 581-592.
- \*51. **Carlson, J.A.**, <sup>□</sup>Mitchell, T.B., Saelens, B.E., Staggs, V.S., Kerr, J., Frank, L.D., Schipperijn, J., Conway, T.L., Glanz, K., Chapman, J.E., Cain, K.L., & Sallis, J.F. (2017). Within-person associations of young adolescents' physical activity across five primary locations: Is there evidence of cross-location compensation. *International Journal of Behavioral Nutrition & Physical Activity*, *14*, 50.
- \*50. <sup>□</sup>Mitchell, T.B., <sup>□</sup>Borner, K.B., <sup>□</sup>Finch, J., Kerr, J., & **Carlson, J.A.** (2017). Using activity monitors to measure sit-to-stand transitions in overweight/obese youth. *Medicine & Science in Sports & Exercise*, *49*(8), 1592-1598.
- \*49. Boutelle, K.N., Knatz, S., **Carlson, J.A.**, Bergmann, K., & Peterson, C.B. (2017). An Open Trial Targeting Food Cue Reactivity and Satiety Sensitivity in Overweight and Obese Binge Eaters. *Cognitive and Behavioral Practice*, *24*(3), 363-373.
- \*48. Wang, X., Conway, T.L., Cain, K.L., Frank, L.D., Saelens, B.E., Geremia, C., Kerr, J., Glanz, K., Carlson, J.A., & Sallis, J.F. (2017). Interactions of psychosocial factors with built environments in explaining adolescents' active transportation. *Preventive Medicine*, *100*, 76-83.
- \*47. Perez, L.G., **Carlson, J.A.**, Slymen, D.J., Patrick, K., Kerr, J., Godbole, S., Elder, J.P., Ayala, G.X., & Arredondo, E.M. (2016). Does the social environment moderate associations of the built environment with Latinas' objectively-measured neighborhood outdoor physical activity? *Preventive Medicine Reports*, *4*, 551-557.
- \*46. <sup>□</sup>Golla, G.K., **Carlson, J.A.**, Huan, J., Kerr, J., Mitchell, T., & Borner, K. (2016). Developing novel machine learning algorithms to improve sedentary assessment for youth health enhancement. *IEEE International Conference on Healthcare Informatics*, 2016, 375-379.
- \*45. Meseck, K., Jankowska, M.M., Schipperijn, J., Natarajan, L., Godbole, S., **Carlson, J.A.**, Takemoto, M.L., Crist, K., & Kerr, J. (2016). Is missing geographic position system (GPS) data in accelerometry studies a problem, and is imputation the solution? *Geospatial Health*, *11*(2), 157-63.
- \*44. <sup>□</sup>Esteban-Cornejo, I., **Carlson, J.A.**, Conway, T.L., Cain, K., Saelens, B.E., Frank, L.D., Glanz, K., Roman, C.G., & Sallis, J.F. (2016). Parental and adolescent perceptions of neighborhood safety related to adolescents' physical activity in their neighborhood. *Research Quarterly for Exercise and Sport*, *87*(2), 191-199.
- \*43. **Carlson, J.A.**, Remigio-Baker, R.A., Anderson, C.A.M., Adams, M.A., Norman, G.J., Kerr, J., Criqui, M.H., & Allison, M. (2016). Walking mediates associations between neighborhood activity supportiveness and BMI in the Women's Health Initiative San Diego cohort. *Health & Place*, *38*, 48-53.
- \*42. <sup>□</sup>Engelberg, J.K., **Carlson, J.A.**, Conway, T.L., Cain, K.L., Saelens, B.E., Glanz, K., Frank, L.D., & Sallis, J.F. (2016). Dog walking among adolescents: correlates and contribution to physical activity. *Preventive Medicine*, *82*, 65-72.
- \*41. Kerr, J., Black, M.L., Crist, K., Bolling, K., Atkin, A., **Carlson, J.A.**, Godbole, S., Rosenberg, D., Lewars, B., & Merchant, G. (2016). Two-arm randomized pilot intervention trial to decrease sitting time and increase sit-to-stand transitions in working and non-working older adults. *PLoS One*, *11*(1), e0145427.
- \*40. **Carlson, J.A.**, Schipperijn, J., Kerr, J., Saelens, B.E., Natarajan, L., Frank, L.D., Glanz, K., Conway, T.L., Chapman, J.E., Cain, K.L., & Sallis, J.F. (2016). Locations of physical activity as assessed by GPS in young adolescents. *Pediatrics*, *137*(1), e20152430. PMC4702023.
- \*39. <sup>□</sup>Takemoto, M., **Carlson, J.A.**, Moran, K., Godbole, S., Crist, K., & Kerr, J. (2015). Relationship between objectively measured transportation behaviors and health characteristics in older adults. *International Journal of Environmental Research and Public Health*, *12*, 13923-13937.

- \*38. **Carlson, J.A.**, Engelberg, J.K., Cain, K.L., Conway, T.L., Mignano A.M., Bonilla, E.A., Geremia, C., & Sallis, J.F. (2015). Implementing classroom physical activity breaks: associations with student physical activity and classroom behavior. *Preventive Medicine, 81*, 67-72.
- \*37. <sup>□</sup>Bellettiere, J., **Carlson, J.A.**, Rosenberg, D., Singhanian, A., Natarajan, L., Berardi, V., LaCroix, A.Z., Sears, D.D., Moran, K., Crist, K., & Kerr, J. (2015). Gender and age differences in hourly and daily patterns of sedentary time in older adults living in retirement communities. *PLoS One, 10*(8), e0136161.
36. Kerr, J., Emond, J.A., Badland, H., Reis, R., Sarmiento, O., **Carlson, J.A.**, Sallis, J.F., Cerin, E., Cain, K., Conway, T., Schofield, G., Macfarlane, D.J., Christiansen, L.B., Van Dyck, D., Davey, R., Aguinago-Ontoso, I., Salvo, D., Sugiyama, T., Owen, N., & Natarajan, L. (2015). Perceived neighborhood environmental attributes associated with walking and cycling for transport among adult residents of 17 cities in 12 countries: the IPEN study. *Environmental Health Perspectives, 124*(3), 290-298.
35. <sup>□</sup>Lopez Castillo, M.A., **Carlson, J.A.**, Cain, K., Bonilla, E.A., Chuang, E., Elder, J.P., & Sallis, J.F. (2015). Dance class structure affects youth physical activity and sedentary behavior: a study of seven dance types. *Research Quarterly for Exercise and Sport, 86*(3), 225-232.
34. Norman, G.J., Huang, J.S., Davila, E.P., Kolodziejczyk, J.K., **Carlson, J.A.**, Covin, J.R., Gottschalk, M., & Patrick, K. (2015). Outcomes of a 1-year randomized controlled trial to evaluate a behavioral 'stepped-down' weight loss intervention for adolescent patients with obesity. *Pediatric Obesity, 11*(1), 18-25.
33. Gell, N.M., Rosenberg, D.E., **Carlson, J.A.**, Kerr, J., & Belza, B. (2015). Built environment attributes related to GPS measured walking trips in mid-life and older adults with mobility disabilities. *Disability and Health, 8*(2), 290-295. PMC4369178.
32. Marshall, S., Kerr, J., **Carlson, J.A.**, Cadmus-Bertram, L., Patterson, R., Wasilenko, K., Crist, K., Rosenberg, D., & Natarajan, L. (2015). Patterns of weekday and weekend sedentary behavior among older adults. *Journal of Aging and Physical Activity, 23*(4), 534-541. PMC4447597.
31. **Carlson, J.A.**, Saelens, B.E., Kerr, J., Schipperijn, J., Conway, T.L., Frank, L.D., Chapman, J.E., Glanz, K., Cain, K., & Sallis, J.F. (2015). Association between neighborhood walkability and GPS-measured walking, bicycling and vehicle time in adolescents. *Health and Place, 32*, 1-7.
30. **Carlson, J.A.**, Jankowska, M.M., Meseck, K., Godbole, S., Natarajan, L., Raab, F., Demchak, B., Patrick, K., & Kerr, J. (2015). Validity of PALMS GPS scoring of active and passive travel compared to SenseCam. *Medicine & Science in Sports & Exercise, 47*(3), 662-667. PMC4289119.
29. Boutelle, K.N., Kuckertz, J.M., **Carlson, J.A.**, & Amir, N. (2014). A pilot study evaluating a one-session attention modification training to decrease overeating in obese children. *Appetite, 76*, 180-185. PMC3989523.
28. <sup>□</sup>Engelberg, J.K., **Carlson, J.A.**, Ryan, S. Black, M., Sanchez, J., & Sallis, J.F. (2014). Evaluation of San Diego's CicloSDias open streets event. *Preventive Medicine, 69*(Suppl 1), S66-S73. PMC4313726.
27. **Carlson, J.A.**, Sallis, J.F., Kerr, J., Conway, T.L., Cain, K., Frank, L.D., & Saelens, B.E. (2014). Built environment characteristics and parent active transportation are associated with active travel to school in youth age 12-15. *British Journal of Sports Medicine, 48*(22), 1634-1639. PMC4447304.
26. **Carlson, J.A.**, Bracy, N.L., Sallis, J.F., Millstein, R.A., Saelens, B.E., Kerr, J., Conway, T.L., Frank, L.D., Cain, K.L., & King, A. (2014). Sociodemographic moderators of the relation between perceived neighborhood safety and physical activity. *Medicine & Science in Sports & Exercise, 46*(8), 1554-1563. PMC4101912.
25. Boutelle, K.N., Peterson, C., Zucker, N., Rydell, S., **Carlson, J.A.**, & Harnack, L. (2014). An intervention based on Schachter's externality theory for overweight children: The regulation of cues pilot. *Journal of Pediatric Psychology, 39*(4), 405-417. PMC4007101.
24. Bracy, N.L., Millstein, R.A., **Carlson, J.A.**, Conway, T.L., Sallis, J.F., Saelens, B.E., Kerr, J., Cain, K.L., Frank, L.D., & King, A.C. (2014). Is the Relationship between the built environment and physical activity moderated by perceptions of crime and safety? *International Journal of Behavioral Nutrition and Physical Activity, 11*:24. DOI: 10.1186/1479-5868-11-24. PMC3942774.
23. **Carlson, J.A.**, Mignano, A.M., Norman, G.J., McKenzie, T.L., Kerr, J., Arredondo, E.M., Madanat, H., Cain, K.L., Elder, J.P., Saelens, B.E., & Sallis, J.F. (2014). Socioeconomic disparities in elementary school



- practices and children's physical activity during school. *American Journal of Health Promotion*, 28(3s), S47-S53. PMC4082956.
22. McKenzie, T.L., Moody, J.S., **Carlson, J.A.**, Lopez, N.V., & Elder, J.P. (2013). Neighborhood income matters: disparities in community recreation facilities, amenities, and programs. *Journal of Park and Recreation Administration*, 31(4), 12-22. PMC4082954.
  21. **Carlson, J.A.**, Sallis, J.F., Norman, G.J., McKenzie, T.L., Kerr, J., Arredondo, E.M., Madanat, H., Mignano, A.M., Cain, K.L., Elder, J.P., & Saelens, B.E. (2013). Elementary school practices and children's objectively measured physical activity during school. *Preventive Medicine*, 57(5), 591-595. PMC3904859.
  20. Norman, G.J., Adams, M.A., Ramirez, E.R., **Carlson, J.A.**, Kerr, J., Godbole, S., Dillon, L., & Marshall, S.J. (2013). Effects of Behavioral Contingencies on Adolescent Active Video Game Play and Overall Activity: A Randomized Trial. *Games for Health Journal*, 2(3), 158-165. Non-NIH funded.
  19. Sallis, J.F., **Carlson, J.A.**, Mignano, A.M., Lemes, A., & Wagner, N. (2013). Trends in presentations of environmental and policy studies related to physical activity, nutrition, and obesity at society of behavioral medicine, 1995-2010: a commentary to accompany the Active Living Research supplement to Annals of Behavioral Medicine. *Annals of Behavioral Medicine*, 45(suppl 1), 14-17. Non-NIH funded.
  18. **Carlson, J.A.**, Sallis, J.F., Chriqui, J.F., Schneider, L., McDermid, L.C., & Agron, P. (2013). State policies about physical activity minutes in physical education or during the school day. *Journal of School Health*, 83(3), 150-156. Non-NIH funded.
  17. Dirige, O.V., **Carlson, J.A.**, Alcaraz, J.E., Moy, K.L., Rock, C.L., Oades, R., & Sallis, J.F. (2013). *Siglang Buhay*: Nutrition and physical activity promotion in Filipino Americans through community organizations. *Journal of Public Health Management and Practice*, 19(2), 162-168. Non-NIH funded.
  16. Sarkin, A.J., Groessl, E.J., **Carlson, J.A.**, Tally, S.R., Kaplan, R.M., Sieber, W.J., & Ganiats, T.G. (2013). Development and validation of a mental health subscale from the Quality of Well-Being Self-Administered. *Quality of Life Research*, 22(7):1685-1696. REQUESTED.
  15. Kerr, J., Rosenberg, D., Nathan, A., Millstein, R.A., **Carlson, J.A.**, Crist, K., Wasilenko, K., Castro, C.M., & Marshall, S.J. (2012). Applying the Ecological Model of Behavior Change to a Physical Activity Trial in Retirement Communities. *Contemporary Clinical Trials*, 33(6), 1180-1188. DOI: 10.1016/j.cct.2012.08.005. PMC3468706.
  14. **Carlson, J.A.**, Sallis, J.F., Wagner, N., Calfas, K.J., Partick, K., Groesz, L.M., & Norman, G.J. (2012). Brief physical activity-related psychosocial measures: reliability and construct validity. *Journal of Physical Activity and Health*, 9(8), 1178-1181. REQUESTED.
  13. Kerr, J., **Carlson, J.A.**, Rosenberg, D., & Withers, A. (2012). Identifying and Promoting Safe Walking Routes in Older Adults. *Health*, 4(Special Issue I), 720-724. Non-NIH funded.
  12. Norman, G.J., **Carlson, J.A.**, Omara, S., Sallis, J. F., Patrick, K., Frank, L.D., & Godbole, S. (2012). Neighborhood Preference, Walkability and Walking in Overweight/Obese Men. *American Journal of Health Behavior*, 37(2), 276-281. REQUESTED.
  11. Rhode, P.C., Froehlich-Grobe, K., Hockemeyer, J.R., **Carlson, J.A.**, & Lee, J.H. (2012). Assessing stress among individuals with physical disabilities: development of the Disability Related Stress Scale (DRSS). *Disability and Health Journal*, 5(3), 168-176. PMC3745215.
  10. **Carlson, J.A.**, Crespo, N.C., Sallis, J.F., Patterson, R.E., & Elder, J.P. (2012). Dietary-related and physical activity-related predictors of obesity in children: a 2-year prospective study. *Childhood Obesity*, 8(2), 110-115. PMC3647527.
  9. **Carlson, J.A.**, Sallis, J.F., Ramirez, E., Partick, K., & Norman, G.J. (2012). Physical activity and dietary behavior change in Internet-based weight loss interventions: comparing two multiple-behavior change indices. *Preventive Medicine*, 54(1), 50-54. PMC3254700.
  8. **Carlson, J.A.**, Sallis, J.F., Conway, T.L., Saelens, B.E., Frank, L.D., Kerr, J., Cain, K., & King, A.C. (2012). Interactions between psychosocial and built environment factors in explaining older adults' physical activity. *Preventive Medicine*, 54(1), 68-73. PMC3254837.
  7. **Carlson, J.A.**, Imber, J.E., Cronan, T.A., Villodas, M.T., Brown, K.C., & Talavera, G.A. (2011). Factors related to the likelihood of using a health advocate. *California Journal of Health Promotion*, 9(1), 62-72. Non-NIH funded.

6. Kerr, J., **Carlson, J.A.**, Sallis, J.F., Rosenberg, D., Leak, C.R., Saelens, B.E., Chapman, J.E., Frank, L.D., & King, A.C. (2011). Assessing health-related resources in senior living residences. *Journal of Aging Studies*, 25(3), 206-214. REQUESTED.
5. Leek, D.N., **Carlson, J.A.**, Henrichon, S., Rosenberg, D., Cain, K., Patrick, K., & Sallis, J.F. (2011). Physical activity during youth organized sports: differences in minutes and intensity between baseball and soccer. *Archives of Pediatric and Adolescent Medicine*, 165(4), 294-299. Non-NIH funded.
4. **Carlson, J.A.**, Sarkin, A.J., Levack, A.E., Tally, S.R., Gilmer, T.P., & Groessl, E.J. (2011). Evaluating a measure of social health derived from two mental health recovery measures: the California Quality of Life (CA-QOL) and Mental Health Statistics Improvement Program Consumer Survey (MHSIP). *Community Mental Health Journal*, 47(4), 454-462. PMC3149666.
3. Norman, G.J., **Carlson, J.A.**, Sallis, J.F., Wagner, N., Calfas, K.J., & Partick, K. (2010). Reliability and validity of brief psychosocial measures related to dietary behaviors. *International Journal of Behavioral Nutrition and Physical Activity*, 7, 56. PMC2911392.
2. Sallis, J.F., Kerr, J., **Carlson, J.A.**, Norman, G.J., Saelens, B.E., Durant, N., & Ainsworth, B.E. (2010). Evaluating a brief self-report measure of neighborhood environments for physical activity research and surveillance: Physical activity neighborhood environment scale (PANES). *Journal of Physical Activity and Health*, 7(4), 533-540. Non-NIH funded.
1. Cronan, T.A., **Carlson, J.A.**, Imberi, J.E., Villodas, M.T., Vasserman-Stokes, E., & Dowell, A. (2010). The effects of social support and confidence in the health care system on the decision to hire a health advocate. *Psychology Research and Behavior Management*, 3, 41-50. PMC3218758.

### Review Papers:

\*Since starting at CMH/UMKC

- \*4. Cushing, C.C., Monzon, A., Ortega, A., Bejarano, C.M., & **Carlson, J. A.** (2019) Identifying opportunities for pediatric eHealth and mHealth studies: Physical activity as a case example. *Journal of Pediatric Psychology*, in press.
- \*3. **Carlson, J.A.**, Dean, K.M., & Sallis, J.F. (2017). National Collaborative on Childhood Obesity Research Measures Registry User Guide: Physical Activity Environment. Available at: <http://nccor.org/tools-mruserguides/physical-activity-environment/>.
2. Sallis, J.F., **Carlson, J.A.**, & Mignano, A. (2012). Promoting youth physical activity through PE and after-school programs. In Story, M. & Larson, N. (Eds.). *Adolescent Medicine: State of the Art Reviews*, 23(3), 493-510. American Academy of Pediatrics.
1. **Carlson, J.A.** (2012). Encyclopedia entries: lifestyle general, lifestyle modification, lifestyle sedentary, and exercise general. In Gellmen, M.D. & Turner, R.J. (Eds.). *Encyclopedia of behavioral medicine*. New York: Springer Science+Business Media.

### Book Chapters:

\*Since starting at CMH/UMKC

- \*3. **Carlson, J.A.**, & Sallis, J.F. (2017). Environment and policy interventions. In Zhu, W. & Owen, N. (Eds.). *Sedentary Behavior and Health Concepts, Assessments, and Interventions*. Champaign, IL: Human Kinetics; 285-295.
2. Sallis, J.F., & **Carlson, J.A.** (2015). Physical activity: numerous benefits and effective interventions. In Kaplan, R. M., Spittel, M. L., & David, D. H. (Eds.). *Population Health: Behavioral and Social Science Insights*. Rockville MD: Agency for Healthcare Research and Quality and Office of Behavioral and Social Sciences Research, National Institutes of Health.
1. Sallis, J.F., Millstein, R.A., & **Carlson, J.A.** (2011). Community design for physical activity. In Dannenberg, A., Frumkin, H., & Jackson, R. (Eds.). *Making healthy places: designing and building for health, well-being, and sustainability*. Washington DC: Island Press; 33-49.

### Conference Presentations – Oral (Invited)

\*Since starting at CMH/UMKC

- \*3. **Carlson, J.A.** (2018). Neighborhood environments and physical activity in youth: from research to practice. Invited presentation at The Heartland Childhood Obesity Summit, Factors of Health: Addressing the Systems Influencing Childhood Obesity. June 27-28, Kansas City, MO.
- \*2. **Carlson, J.A.** (2017). Using data science to advance assessment of physical activity and sedentary behavior for public health. Invited presentation at the Frontiers of Large-Scale Data Analytics: Fairness, Transparency, Interpretability, Robustness, and Security. June 16, Lawrence, KS.
1. **Carlson, J.A.** (2014). Using GPS to improve understanding of built environment influences on physical activity. Early Career Invited Lecture Award at the 2014 Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity. May 22-24, San Diego, CA.

### **Conference Presentations – Oral (Submitted)**

\*Since starting at CMH/UMKC

□denotes supervision of student(s)

†denotes published abstract

- \*26. Berrigan, D., **Carlson, J.A.**, Huang, T., Sallis, J., Samuels, A., Tribby, C., & Zaganjor, H. (2019). Measure selection for the physical activity environment with NCCOR Measures Registry User Guides Modules. Workshop at the Annual Meeting of Active Living Research. February 17-20, Charleston, SC.
- \*25. **Carlson, J.A.**, □Mitchell, T., □Borner, K., Saelens, B., Kerr, J., Conway, T., Frank, L., & Sallis, J. (2017). How important are neighborhood activity and walking trips for overall physical activity in young adolescents? Evidence from GPS. Oral presentation at the Annual Meeting of Active Living Research. February 26-March 1, Clearwater Beach, FL.
- \*†24. Rosenberg, D., **Carlson, J.A.**, Godbole, S., & Kerr, J. (2016). Older adult sedentary behavior change in the context of a physical activity intervention. Oral presentation at the Annual Meeting of the Society of Behavioral Medicine. March 30- April 2, Washington DC.
- \*23. Sallis, J.F., & **Carlson, J.A.** (co-presenters). (2015). Environmental and policy intervention. Oral presentation at the Sedentary Behavior and Health Conference. October 15-17, Champaign-Urbana, IL.
- \*22. □Engelberg, J.K., **Carlson, J.A.**, Conway, T.L., Cain, K., Mignano, A., Bonilla, A., Geremia, C., Larson, J., & Sallis, J.F. (2015). Implementing 10-minute classroom physical activity breaks in California elementary schools. Oral presentation in Workshop Session 3.5: Made to Move: Getting Kids Active throughout the School Day at the Childhood Obesity Conference June 29-July 2, San Diego, CA.
- \*21. **Carlson, J.A.** (2015). Image analysis in public health. Symposium presentation “Imaging’ active spaces: large scale surveillance of spaces for physical activity” at the American College of Sports Medicine Annual Meeting. May 26-30, San Diego, CA.
20. □Serrano, N., Perez, L.G., **Carlson, J.A.**, Haughton, J., & Arredondo, E.M. (2015). Socio-demographic correlates of global positioning system (GPS) derived travel behaviors among churchgoing Latinas. Oral presentation at the 2015 Annual Meeting of Active Living Research. February 22-25, San Diego, CA.
19. **Carlson, J.A.**, Schipperijn, J., Kerr, J., Conway, T., Saelens, B., Frank, L., Cain, K., & Sallis, J.F. (2014). Neighborhood and home environments and GPS-derived location-specific physical activity in adolescents. Oral presentation at the Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity. May 22-24, San Diego, CA.
18. Meseck, K., Jankowska, M., Natarajan, L., Godbole, S., Kerr, J., Carlson, J.A., Schipperijn, J., & Crist, K. (2014). The impact of missing Global Positioning System (GPS) signal data on relationships between environmental variables and objectively measured physical activity and sedentary behavior. Oral presentation at the Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity. May 22-24, San Diego, CA.
17. Kerr, J., Natarajan, L., **Carlson, J.A.**, Emond, J., Badland, H., Sarmiento, O.L., Reis, R.S., & Cerin, E. (2014). Perceived neighborhood environmental attributes associated with adults' walking and bicycling for transport: findings from a 12-country study. Symposium presentation at the Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity. May 22-24, San Diego, CA.
- †16. **Carlson, J.A.**, Norman, G.J., Kolodziejczyk, J., & Patrick, K. (2014). Parallel processes of sedentary behavior and cardiometabolic risk factors in obese adolescents. Oral and poster presentation at the 2014

Annual Meeting of the American Heart Association EPI-NPAM. March 18-21, San Francisco, CA.  
*Circulation*, 129:AP429.

15. <sup>□</sup>Engelberg, J., <sup>□</sup>Black, M., **Carlson, J.A.**, Ryan, S., Delaney, T., Brown, M., Clancy, E., & Sallis, J. (2014). Ciclovía participation and impacts in San Diego, CA: the first CicloSDias. Oral presentation at the Annual Meeting of Active Living Research. March 9-12, San Diego, CA.
14. Knatz, S., **Carlson, J.A.**, Strong, D., Stice, E., & Boutelle, K. (2014). Eating in Secret as an indicator of concurrent and future psychopathology in female youth. Oral presentation at the International Conference on Eating Disorders. March 27-29, New York, NY.
13. Sallis, J.F., Ferreira, J., Metz, P., & **Carlson, J.A.** (2013). Best practices for student physical activity and achievement. Oral table talk presentation and discussion at the California School Board Association Annual Education Conference and Trade Show. December 5-7, San Diego, CA.
12. Rosenberg, D., Gell, Belza, Kerr, J., & **Carlson, J.A.** (2013). Using GPS to examine active transportation patterns among people aging with mobility disabilities. Oral presentation at the Annual Meeting of the American Public Health Association. November 2-6, Boston, MA.
11. Boutelle, K.N., Peterson, C.B., & **Carlson, J.A.** (2013). Evaluation of a treatment targeting internal cues of hunger and external cues to eat for obese adults with binge eating. Oral presentation at the Annual Meeting of the Eating Disorders Research Society. September 19-21, Bethesda, MD.
10. Boutelle, K.N., Kuckertz, J., **Carlson, J.A.**, & Amir, N. (2013). A one-session attention modification training to decrease overeating in obese children. Oral presentation at the Annual Meeting of the Society for the Study of Investigative Behavior. July 30- August 3, New Orleans, LA.
9. Sallis, J.F., **Carlson, J.A.**, Leek, D., Henrichon, S., & Cain, K. (2013). Physical activity during youth sport practices. In Symposium, Health promotion in organized youth sports. Oral presentation at the International Society for Behavioral Nutrition and Physical Activity. May 22-25, Ghent, Belgium.
8. Sallis, J.F., Adams, M.A., **Carlson, J.A.**, Frank, L.D., Cain, K., Conway, T.L., Kerr, J., & King, A.C. (2013). Neighborhood environments, physical activity, and function among US older adults: Findings from the Senior Neighborhood Quality of Life Study (SNQLS). Oral presentation at the annual meeting of the International Society for Behavioral Nutrition and Physical Activity. May 22-25, Ghent, Belgium.
- <sup>†</sup>7. **Carlson, J.A.**, Kerr, J., Sallis, J.F., Godbole, S., Lam, M., Saelens, B.E., Cain, K., Conway, T.L., Frank, L.D., & Glanz, K. (2013). GPS-measured time spent in vehicle, neighborhood walkability and BMI in adolescents. Citation and Meritorious Paper, and Oral presentation at the Annual Meeting of the Society of Behavioral Medicine. March 20-23, San Francisco, CA. Published abstract: *Annals of Behavioral Medicine*, 37(Supplement), s183.
- <sup>†</sup>6. Rosenberg, D., Kerr, J., Poon, L., **Carlson, J.A.**, Crist, K., Wasilenko, K., & Marshall, S. (2013). Relationship between sedentary time and emotional health among older adults in retirement facilities. Oral presentation at the Annual Meeting of the Society of Behavioral Medicine. March 20-23, San Francisco, CA. Published abstract: *Annals of Behavioral Medicine*, 45(Supplement), s255.
5. **Carlson, J.A.**, Sallis, J.F., Norman, G.J., Saelens, B.E., Elder, J.P., Glanz, K., Frank, L.D., & Cain, K. (2013). School practices, economic disparities, and objectively measured MVPA during school in children aged 8-13. Oral presentation at the Annual Meeting of Active Living Research. February 26-28, San Diego, CA.
- <sup>†</sup>4. **Carlson, J.A.**, Frank, L.D., Sallis, J.F., Conway, T.L., Cain, C., & Saelens, B.E. (2012). Contribution of perceived built environment attributes around the worksite to active transportation and physical activity. Oral presentation at the International Congress of Physical Activity and Public Health. October 31- November 3, Sydney, Australia. Published abstract: *Journal of Science and Medicine in Sport*, 15(6 Supplement), 166.
3. McKenzie, T.L., Moody, J.S., Lopez, N.V., & **Carlson, J.A.** (2012). Neighborhood income matters: disparities in recreation facilities, amenities, and programs. Oral presentation at the Annual Congress of the National Recreation and Park Association Leisure Research Symposium. October 16-18, Anaheim, CA.
- <sup>†</sup>2. Rhode, P.C., Froehlich-Grobe, K., Hockemeyer, J.R., & **Carlson, J.A.** (2009). Psychometric properties of the Disability Related Stress Scale (DRSS). Oral presentation at the Annual Meeting of the Society of

Behavioral Medicine. April 22-25, Montreal, Quebec. Published abstract: *Annals of Behavioral Medicine*, 37(Supplement), s126.

1. Tally, S., Brunette, Y., **Carlson, J.A.**, Levack, A., & Ganiats, T. (2008). Comparison of general and health-related Quality of Life: the SEIQOL, SF36, and EQ5D. Oral presentation at the Annual Meeting of the International Society for Quality of Life Research. October 22-25, Montevideo, Uruguay.

### Conference Presentations - Posters

\*Since starting at CMH/UMKC

□denotes supervision of student(s)

†denotes published abstract

- \*53. **Carlson, J.A.**, Steel, C., Beauchamp, M., Hoppe, K., Bejarano, C., Kerner, J., Brownson, R., Sallis, J., Davis, A., Green, M., & Zimmerman, S. (2019). Implementation characteristics of existing walking school bus programs across the US. Poster presentation at the Annual Meeting of Active Living Research. February 17-20, Charleston, SC.
- \*52. **Carlson, J.A.**, Calvert, H., Bejarano, C., Turner, L., Hoppe, K., Lane, H., Snow, K., & Alfonsin N. (2019). Coverage of theoretically-based implementation factors in classroom physical activity programs available online. Poster presentation at the Annual Meeting of Active Living Research. February 17-20, Charleston, SC.
- \*51. **Carlson, J.A.**, □Liu, B., Sallis, J.F., Kerr, J., Hipp, J.A., Staggs, V.S., Papa, A., Dean, K., & Vasconcelos, N.M. (2018). Using Computer Vision to Provide Automated Ecological Assessment of Physical Activity: Advancing Direct Observation. Rapid communications poster presentation at the Annual Meeting of the Society of Behavioral Medicine. April 11–14, New Orleans, LA.
- \*†50. Ponce, S.G., Allison, M.A., **Carlson, J.A.**, Perreira, K.M., Shane Loop, M., Gonzalez, F., Isasi, C.R., Hurwitz, B.E., Peden, F.J., Kansai, M.M., Daviglius, M.L., Talavera, G.A., Rodriguez, C.J., Gallo, L.G. (2018). Neighborhood Level Hispanic/Latino Ethnic Density and Left Ventricular Structure: ECHO-SOL and SOL-CASAS Ancillary Studies of Hispanic Community Health Study/Study of Latinos (HCHS/SOL). Poster presentation at the Annual Meeting of the American Heart Association EPI-NPAM. March 20 – 23, New Orleans, LA.
- \*†49. □Garcia, M.L., Castañeda, S.F., Gallo, L.C., Lopez Gurrola, M.D., Perreira, K.M., Sotres-Alvarez, D., Isasi, C.R., Chambers, E.C., Daviglius, M.L., van Horn, L., Evenson, K.R., **Carlson, J.A.**, Talavera, G.A. (2018). Socio-environmental influences on youth total sedentary time: Results from the Hispanic Community Health Study / Study of Latino Youth. Poster presentation at the Annual Meeting of the American Heart Association EPI-NPAM. March 20 – 23, New Orleans, LA.
- \*48. □Pona, A., Dreyer Gillette, M., **Carlson, J.A.**, Sweeney, B., & Hampl, S. (2017). Predictors of cardiometabolic risk in pediatric weight management family behavioral interventions. Poster presentation at the Annual Meeting of The Obesity Society. October 29-November 2, Washington, DC.
- \*47. Hampl, S.E., Dean, K., Papa, A., Sweeney, B.R., **Carlson, J.A.**, & Shook, R. (2017). Demographic and Behavioral Correlates of Weight Status by Geographic Area in Primary Care. Poster presentation at the Annual Meeting of the Pediatric Academic Society Conference. May 6-9, San Francisco, CA.
- \*46. □Warren, M., □Pona, A., **Carlson, J.A.**, Shook, R., Dreyer Gillette, M., & Davis, A. (2017). Effects of Pediatric Diet and Physical Activity on Weight Loss. Poster presentation at the Annual Health Sciences Student Research Summit at the University of Missouri, Kansas City. April 26, Kansas City, MO.
- \*†45. □Pona, A., **Carlson, J.A.**, Shook, R., Dreyer Gillette, M., & Davis, A. (2017). Maternal BMI Change Linked to Child Activity Change in Family-Based Behavioral Interventions for Pediatric Weight Management. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. March 29-April 1, San Diego, CA.
- \*†44. □Bejarano, C., **Carlson J.A.**, Conway T., Saelens B., Glanz, K., Couch, S., Cain, K., & Sallis, J. (2017). Examining activity and diet as mediators of the relationship between TV time and BMI in youth. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. March 29-April 1, San Diego, CA.

- \*43. <sup>□</sup>Garcia, A., **Carlson, J.A.**, Saelens, B.E., Kerr, J., Conway, T.L., Frank, L.D., Glanz, K., Cain, K., & Sallis, J.F. (2017). Differences in and correlates of home, school, and non-school sedentary time. Poster presentation at the Society of Pediatric Psychology Annual Conference. March 30-April 1, Portland, OR.
- \*42. **Carlson, J.A.**, <sup>□</sup>Engelberg, J., Kerner, J., Cain, K., Conway, T., Geremia, C., Bonilla, E., Mignano, A., & Sallis, J. (2016). Contextual factors explaining implementation of classroom physical activity breaks. Poster presentation at the Annual Conference on the Science of Dissemination and Implementation in Health. December 14-15, 2016. Washington, DC.
- \*<sup>†</sup>41. <sup>□</sup>Finch, J., <sup>□</sup>Mitchell, T.B., <sup>□</sup>Borner, K.B., & **Carlson, J.A.** (2016). Measuring sedentary behavior: epoch- and hour-level agreement between the ActiGraph and activPAL. Poster presentation at the National Conference in Clinical Child and Adolescent Psychology. September 22-24, Lawrence, KS.
- \*40. <sup>□</sup>Finch, J., <sup>□</sup>Mitchell, T., <sup>□</sup>Borner, K., & **Carlson, J.A.** (2016). Measuring Sedentary Behavior: Hour-Level Agreement between ActiGraph and activPAL. Poster presentation at the Annual Undergraduate Research Symposium at the University of Missouri, Kansas City.
- \*39. **Carlson, J.A.**, <sup>□</sup>Mitchell, T.B., <sup>□</sup>Borner, K., Saelens, B.E., Schipperijn, J., Kerr, J., Conway, T.L., Frank, L.D., Chapman, J.E., Glanz, K., Cain, K., & Sallis, J.F. (2016). Supporting youth's physical activity across multiple locations. Poster presentation at the Society of Pediatric Psychology Annual Conference. April 14-16, Atlanta, GA.
- \*<sup>†</sup>38. <sup>□</sup>Mitchell, T., **Carlson, J.A.**, Schipperijn, J., Saelens, B., Kerr, J., Frank, L., Conway, T., Chapman, J., Cain, K., & Sallis, J. (2016). Latent profiles of youths' physical activity across locations and lack of compensation. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. March 30-April 2, Washington DC.
- \*<sup>†</sup>37. <sup>□</sup>Moran, K., **Carlson, J.A.**, James, P., Mitchell, P., Glanz, K., Hipp, J. A., Kerr, J. (2016). Latent profile analysis of sleep, physical activity, and sedentary time and associations with health. Poster presentation at the 2016 Annual Meeting of the Society of Behavioral Medicine. March 30- April 2, Washington DC.
- \*36. <sup>□</sup>Serrano, N., Perez, L.G., **Carlson, J.A.**, Patrick, K., Haughton, J., & Arredondo, E. M. (2015). Does the relationship between the perceived neighborhood environment and travel patterns vary across individual characteristics? Poster presentation at the Obesity Society Annual Meeting. November 2-7, Los Angeles, CA.
- \*35. <sup>□</sup>Bellettiere, J., **Carlson, J.A.**, Rosenberg, D., Singhania, A., Natarajan, L., Berardi, V., LaCroix, A.Z., Sears, D.D., Moran, K., Crist, K., & Kerr, J. (2015). Gender and Age Differences in Hourly and Daily Patterns of Sedentary Time in Older Adults Living in Retirement Communities. Poster presentation at the 9th International Conference of Diet and Activity Measurement. September 1-3, Brisbane, Australia.
- \*34. **Carlson, J.A.**, Schipperijn, J., Kerr, J., Thornton, C.M., Saelens, B.E., Frank, L.D., Chapman, J.E., Conway, T.L., Glanz, K., Cain, K., & Sallis, J.F. (2015). Young adolescents' physical activity in five locations as measured using GPS and accelerometry. Poster presentation at the American College of Sports Medicine Annual Meeting. May 26-30, San Diego, CA.
- \*33. <sup>□</sup>Engelberg, J.K., **Carlson, J.A.**, Conway, T.L., Cain, K., Saelens, B.E., Glanz, K., Frank, L.D., & Sallis, J.F. (2015). Dog walking as physical activity and ecological correlates of dog walking among adolescents. Poster presentation at the American College of Sports Medicine Annual Meeting. May 26-30, San Diego, CA.
- \*32. <sup>□</sup>Perez, L.G., **Carlson, J.A.**, Finch, B., Ryan, S., Estrada-Maravilla, M., Patrick, K., Kerr, J., Elder, J.P., Ayala, G.X., & Arredondo, E.M. (2015). Environmental correlates and moderators of location-based physical activity among churchgoing Latinas. Poster presentation at the American College of Sports Medicine Annual Meeting. May 26-30, San Diego, CA.
- <sup>†</sup>31. Remigio-Baker, R.A., LaCroix, A., **Carlson, J.A.**, Kerr, J., & Allison, M.A. (2015). Walking may be a viable alternative to recreational physical activity for promoting physical and mental wellbeing among the elderly: the Women's Health Initiative – San Diego. Poster presentation at the Annual Meeting of the American Heart Association EPI-NPAM. March 3-6, Baltimore, MD. *Circulation*.
30. <sup>□</sup>Merchant, G., **Carlson, J.A.**, Godbole, S., Black, M., & Kerr, J. (2014). Take a stand: targeting psychosocial mediators of change to reduce older adults' sedentary behavior. Poster presentation at the

- Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity. May 22-24, San Diego, CA.
29. <sup>□</sup>Moran, K., Wang, L., Godbole, S., Natarajan, L., Carlson, J.A., & Kerr, J. (2014). How does retirement community environment affect changes in step counts over time? Poster presentation at the Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity. May 22-24, San Diego, CA.
  28. Kerr, J., **Carlson, J.A.**, Black, M., Merchant, G., Crist, K., Bolling, K., Atkin, A., & Marshall, S. (2014). Feasibility of increasing the length and number of standing breaks in older adults: results of a pilot study. Poster presentation at the Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity. May 22-24, San Diego, CA.
  27. Kerr, J., Atkin, A., **Carlson, J.A.**, Rosenberg, D., Saelens, B., Conway, T., Owen, N., & Sallis, J.F. (2014). Ecological correlates of sedentary time in adolescents: individual, interpersonal, home & neighborhood. Poster presentation at the Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity. May 22-24, San Diego, CA.
  26. Kerr, J., Rosenberg, D., **Carlson, J.A.**, Saelens, B., Owen, N., Cain, K., Conway, T., & Sallis, J.F. (2014). Sedentary time and depressive symptoms in adults: exploring moderators. Poster presentation at the Annual Meeting of the International Society of Behavioral Nutrition and Physical Activity. May 22-24, San Diego, CA.
  25. Adams, M.A., Norman, G.J., Ramirez, E., **Carlson, J.A.**, Kerr, J., Godbole, S., Dillon, L., Marshall, S.J. (2014). Effects of behavioral contingencies on adolescent active video game play and overall activity: a randomized controlled trial. Poster presentation at the International Congress of Physical Activity and Public Health. April 8-11, Rio de Janeiro, Brazil.
  24. **Carlson, J.A.**, McKenzie T.L., Lee, N.V.L., Corder, K., Sallis, J.F., & Elder, J.P. (2012). Are schools providing sufficient opportunities for physical activity? Objectively measured physical activity and sedentary time in- and out-of-school in children aged 7-10. Poster presentation at the Annual Meeting of Active Living Research. March 12-14, San Diego, CA.
  23. Ryan, S., Jovanovic, S., **Carlson, J.A.**, Delaney, T., Browner, D., & Vance, S. (2012). Evaluating the effectiveness of Bike to Work Month promotions: are we reaching low income – minority communities? Poster presentation at the Annual Meeting of Active Living Research. March 12-14, San Diego, CA.
  - <sup>†</sup>22. **Carlson, J.A.**, Sallis, J.F., Conway, T.L., Saelens, B.E., Frank, L.D., Kerr, J., Cain, K., & King, A.C. (2011). Psychosocial by built environment interactions associated with older adults' physical activity. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. April 27-30, Washington, DC. Published abstract: *Annals of Behavioral Medicine*, 37(Supplement), s182.
  - <sup>†</sup>21. **Carlson, J.A.**, Omara, S., Godbole, S., Sallis, J.F., Frank, L.D., Patrick, K., & Norman, G.J. (2011). Neighborhood preferences moderate the relationship between neighborhood walkability and total walking in overweight/obese men. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. April 27-30, Washington, DC. Published abstract: *Annals of Behavioral Medicine*, 37(Supplement), s183.
  - <sup>†</sup>20. Norman, G.J., Adams, M.A., Ramirez, E.R., **Carlson, J.A.**, Kerr, J., Godbole, S., Dillon, L., Palmer, N., & Marshall, S.J. (2011). Predictors of adolescent exergame play over four weeks. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. April 27-30, Washington, DC. Published abstract: *Annals of Behavioral Medicine*, 37(Supplement), s110.
  19. **Carlson, J.A.**, Sallis, J.F., & Cox, L. (2011). Evaluation of statewide policies to increase physical activity in physical education and at school. Poster presentation at the Annual Meeting of Active Living Research. February 22-24, San Diego, CA.
  - <sup>†</sup>18. **Carlson, J.A.**, Norman, G.J., Sallis, J.F., Calfas, K.J., & Patrick, K. (2010). Evaluating brief psychosocial measures related to physical activity. Poster presentation at the Annual Meeting of The Obesity Society. October 9-12, San Diego, CA. Published abstract: *Obesity*, 8, s122.
  17. Pulvers, K., Merchant, G., Pandzic, I., Potter, R., **Carlson, J.A.**, & Thode, L. (2010). Cognitive and affective correlates of distress tolerance and smoking relapse. Poster presentation at the Annual Meeting of the American Psychological Association. August 12-25, San Diego, CA.
  16. **Carlson, J.A.**, Kerr, J., Rosenberg, D., Sallis, J.F., Saelens, B.E., Leak, C.R., Frank, L.D., Chapman, J.E., & King, A.C. (2010). Development and evaluation of the Audit of Physical Activity Resources for Seniors

(APARS) tool. Rapid communications poster presentation at the Annual Meeting of the Society of Behavioral Medicine. April 7-10, Seattle, WA.

- †15. **Carlson, J.A.**, Leek, D.N., Henrichon, S., Sallis, J.F., & Cain, K. (2010). Differences in minutes and intensity of children's physical activity between soccer and baseball practices. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. April 7-10, Seattle, WA. Published abstract: *Annals of Behavioral Medicine*, 39(Supplement), s187.
- †14. Leek, D.N., **Carlson, J.A.**, Henrichon, S., Cain, K., & Sallis, J.F. (2010). Gender differences in physical activity during youth organized sports practices using accelerometers. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. April 7-10, Seattle, WA. Published abstract: *Annals of Behavioral Medicine*, 39(Supplement), s151.
- †13. **Carlson, J.A.**, Sallis, J.F., Kerr, J., Norman, G.J., Saelens, B.E., Durant, N., & Ainsworth, B.E. (2009). Evaluating the Physical Activity Neighborhood Environment Scale (PANES). Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. April 22-25, Montreal, Quebec. Published abstract: *Annals of Behavioral Medicine*, 37(Supplement), s170.
- †12. **Carlson, J.A.**, Sarkin, A.J., Tally, S.R., Groessl, E.J., Sieber, W.J., Ganiats, T.G., Brody, B.L., & Kaplan, R.M. (2009). Development and validation of the Quality of Well-Being Self-Administered Mental Health Scale. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. April 22-25, Montreal, Quebec. Published abstract: *Annals of Behavioral Medicine*, 37(Supplement), s164.
- †11. **Carlson, J.A.**, O'Connor, M.E., Villodas, M.T., & Cronan, T.A. (2009). The role of health-related factors in using a patient advocate. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. April 22-25, Montreal, Quebec. Published abstract: *Annals of Behavioral Medicine*, 37(Supplement), s133.
10. □Allbee, L.K., **Carlson, J.A.**, Villodas, M.T., & Cronan, T.A. (2009). The role of individual and health-related factors in ratings of healthcare confidence. Poster presentation at the Annual Meeting of the Western Psychological Association. April 23-26, Portland, OR.
9. □Calderón, N.E., Imberi, J.E., **Carlson, J.A.**, Villodas, M.T., & Cronan, T.A. (2009). Demographic characteristics in two age groups as predictors of the likelihood of hiring a health care advocate. Poster presentation at the Annual Meeting of the Western Psychological Association. April 23-26, Portland, OR.
8. **Carlson, J.A.**, Levack, A., Tally, S., Ganiats, T. & Sarkin, A. (2008). Gender differences in responses to traditional and alternative time trade-off scenarios. Rapid communications poster presentation at the Annual Meeting of the Society of Behavioral Medicine. March 26-29, San Diego, CA.
- †7. Sarkin, A., **Carlson, J.A.**, Schatzle, D., Harvey, J., Tally, S., Groessl, E., Kaplan, R.M., & Ganiats, T. (2008). Influence of mood on self-rated health. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. March 26-29, San Diego, CA. Published abstract: *Annals of Behavioral Medicine*, 33(Supplement), s155.
- †6. **Carlson, J.A.**, Imberi, J.E., Conway, T.L., & Cronan, T.A. (2008). Self-efficacy and screening efficacy for colorectal cancer (CRC) screening in low-income Caucasian, African, and Mexican Americans. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. March 26-29, San Diego, CA. Published abstract: *Annals of Behavioral Medicine*, 33(Supplement), s198.
- †5. Rhode, P.C., Froehlich-Grobe, K., Hockemeyer, J.R., & **Carlson, J.A.** (2007). Development of the Disability Related Stress Scale (DRSS). Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. March 21-24, Washington, DC. Published abstract: *Annals of Behavioral Medicine*, 33(Supplement), s150.
4. Rhode, P.C., **Carlson, J.A.**, Hockemeyer, J.R., & Greiner, A. (2006). Adherence to clinical practice guidelines for overweight and obesity among rural primary care physicians. Poster presentation at the Annual Scientific Meeting of The Obesity Society. October 20-24, Boston, MA.
3. **Carlson, J.A.**, Karlson, C.W., Hamilton, N.A., Nelson, C.A., & Luxton, D.D. (2006). Relationship between subjective and objective measures of sleep duration and sleep efficiency. Poster presentation at the Annual Meeting of the American Psychological Association. August 10-13, New Orleans, LA.
- †2. **Carlson, J.A.**, Pulvers, K.M., Selig, J.P., & Grobe, J.E. (2006). The role of positive outcome expectancies in the ability to resist smoking in a lab-based setting. Poster presentation at the Annual Meeting of the



Society of Behavioral Medicine. March 22-25, San Francisco, CA. Published abstract: *Annals of Behavioral Medicine*, 31(Supplement), s148.

- †1. Rhode, P.C., Davis Martin, P., Hockemeyer, J.R., **Carlson, J.A.**, & Brantley, P.J. (2006). Psychosocial predictors of blood pressure among African American weight loss participants. Poster presentation at the Annual Meeting of the Society of Behavioral Medicine. March 22-25, San Francisco, CA. Published abstract: *Annals of Behavioral Medicine*, 31(Supplement), s161.

## MEDIA

\*Since starting at CMH/UMKC

- \*November 2017 Comment on “Academic Achievement and Physical Activity: A Meta-analysis” for Reuters. Available at: <https://www.reuters.com/article/us-health-children-fitness-performance/kids-who-get-moving-may-also-get-better-grades-idUSKBN1E22OC>
- \*November 2016 Media interview with Reuters for comment on study in Lancet Diabetes and Endocrinology
- \*December 2015 Media interviews for Pediatrics publication on locations of adolescents’ physical activity. 2 Minute Medicine, Fox 4 local news, Huffington Post, MedPage Today, New York Times, WebMD.
- January 2014 Interview with Health Behavior News Service. "Rich or Poor, Schools Fall Short on Providing Physical Activity", Available at: <http://www.cfah.org/hbns/2014/rich-or-poor-schools-fall-short-on-providing-physical-activity>
- August 2013 Interview with Kinesiology Today. "U.S. Schools Fail to Make the Grade on Physical Education Policies", Summer 2013, Vol. 6, Issue 2, page 9. Available at: <http://www.americankinesiology.org/kinesiology-today>
- October 2012 Press Release with Sports Medicine Australia. "Is your commute making you fat?"
- December 2010 Interview with CBS Radio Dallas/Fort Worth  
Live radio interview about physical activity in youth sports
- December 2010 Interview with MedPage Today. "Kids' sports strike out on exercise goals", December 6, 2010. Available at: <http://www.medpagetoday.com/PrimaryCare/ExerciseFitness/23763>
- December 2010 Press Release with San Diego State University. "Youth sports doesn't net enough daily activity for kids"
- December 2010 Interview with Toronto Star. "Few kids get enough exercise by playing sports, study finds". Available at: <http://www.parentcentral.ca/parent/familyhealth/children'shealth/article/902614--few-kids-get-enough-exercise-by-playing-sports-study-finds>

## PROFESSIONAL SERVICE

\*Since starting at CMH/UMKC

### Invited Advisory Committees

- \*2017-present Kansas City Missouri Bicycle Planning Steering Committee (≈20 members)  
Public health science representative for an advisory group to the Kansas City Planning and Development Department to update the bicycle master plan to accommodate safe and accessible bicycling and pedestrian facilities. Details at: <http://www.kcmo.gov/kcbikeplan>
- \*2017-2018 National Physical Activity Plan Report Card (≈10 members)  
Content expert (physical activity environmental) for an advisory group to the National Physical Activity Plan Report Card on Physical Activity and Youth, which is an annual comprehensive assessment of physical activity levels and influences in U.S. children and youth. Details at: <http://www.physicalactivityplan.org/projects/reportcard.html>
- \*2016-2019 National Collaborative on Childhood Obesity Research (NCCOR) Measures Guides and Learning Modules Advisory Member (≈10 members)

I served as Co-Lead Advisor for the Built Environment User's Guide (<https://www.nccor.org/nccor-tools/mruserguides/>) and Lead Advisor for the Built Environment e-learning module (still in development). The National Collaborative on Childhood Obesity Research (NCCOR) is a collaboration among CDC, NIH, RWJF, and USDA, and manages a searchable database of diet and physical activity measures relevant to childhood obesity research (<https://www.nccor.org/nccor-tools/measures/>).

2012-2015

SANDAG Public Health Stakeholder Group (≈25 members)

Public health science representative for an advisory group to San Diego Association of Governments (SANDAG; Metropolitan Planning Organization) to facilitate use of public health design in land use and transportation planning. Details at:

<http://www.sandag.org/index.asp?committeeid=102&fuseaction=committees.detail>

## **PROFESSIONAL SOCIETIES AND AFFILIATIONS**

American College of Sports Medicine

American Heart Association

Physical Activity Policy Research Network (supported by CDC)

Society of Behavioral Medicine

American Public Health Association

International Society for the Measurement of Physical Behaviour

International Society of Behavioral Nutrition and Physical Activity

International Society of Physical Activity and Public Health

University of Kansas Cancer Center