

Keith Brazendale, Ph.D., M.Sc.

Research Assistant Professor • Department of Exercise Science
Arnold School of Public Health • University of South Carolina

EDUCATION

Doctor of Philosophy (Ph.D.) – Exercise Science Area of Emphasis: <i>Health Aspects of Physical Activity</i> Dissertation: <i>Children's Obesogenic Behaviors During School vs. Summer: A Pilot Study</i> Major Professor: <i>Michael W. Beets, Ph.D.</i> Arnold School of Public Health University of South Carolina, Columbia, SC	2013 – 2017
Master of Science (M.Sc.) – Exercise Science Area of Emphasis: <i>Exercise Physiology</i> Thesis: <i>Children's Enjoyment and Perceived Competence in PE and Physical Activity Participation</i> Major Professor: <i>B. Sue Graves, Ph.D.</i> College of Education Florida Atlantic University, Boca Raton, FL	2011 – 2013
Bachelor of Education with Honors (B.Ed. Hons) – Physical Education Moray House School of Education The University of Edinburgh, Edinburgh, Scotland, UK	2005 – 2009

EDUCATIONAL PROFESSIONAL ROLES

Research Assistant Professor Department of Exercise Science, Arnold School of Public Health University of South Carolina, Columbia, SC	2019 – Present
Postdoctoral Research Fellow Department of Exercise Science, Arnold School of Public Health University of South Carolina, Columbia, SC <i>Mentor: Michael W. Beets, PhD, Professor</i>	2017 – 2018
Doctoral Research Assistant, Policy to Practice in Youth Programs (P2YP) Department of Exercise Science, Arnold School of Public Health University of South Carolina, Columbia, SC <i>Advisor: Michael W. Beets, PhD, Professor</i>	2013 – 2017
Graduate Teaching Assistant Exercise Science and Health Promotion Department Florida Atlantic University, Boca Raton, FL <i>Supervisor: Sue Graves, PhD, Associate Professor</i>	2011 – 2013
Physical Education Teacher Cults Academy Secondary School Aberdeen, Scotland, United Kingdom <i>Supervisor: Jennifer McWilliam, Department Head</i>	2009 – 2010

OTHER PROFESSIONAL ROLES

Co-Founder/Physical Activity Director Camp M.A.T.E.S. (non-profit) Columbia, South Carolina <i>Supervisor: Allison Brazendale, PsyD, Co-Founder</i>	2014 – Present
Speed, Agility, and Conditioning Coach Global Premier Soccer (GPS) Lexington Lexington, South Carolina, SC <i>Supervisor: Ralph Garofano, Director of Coaching</i>	2014 – 2018

Keith Brazendale, Ph.D., M.Sc.

Research Assistant Professor • Department of Exercise Science
Arnold School of Public Health • University of South Carolina

Strength & Conditioning Coach Fort Lauderdale Strikers (Professional Soccer Team – NASL Division) Fort Lauderdale, FL <i>Supervisor: Joe Caroccio, DPT, ATC/LAT</i>	2012 – 2013
Director of Soccer Operations Delray Beach Athletic Club, Delray Beach, FL <i>Supervisor: Steve Burgess, Director of Coaching</i>	2011 – 2013

PEER REVIEWED PUBLICATIONS (Published/In Press)

38. Brazendale, K., Decker, L., Hunt, E.T., Perry, M.W, Brazendale, A.B., Weaver, R.G & Beets, M.W. Validity and Utility of a consumer-based fitness tracker to monitor free-living physical activity in children. <i>International Journal of Exercise Science</i>	In press
37. Hunt, E. T., Whitfield, M. L., Brazendale, K., Beets, M. W., Weaver, R. G. Examining the impact of a summer learning program on children's weight status, cardiorespiratory and fitness. <i>Evaluation and Program Planning</i>	In press
36. Weaver, R.G., Brazendale, K., Hunt, E.T., Sarzynski, MA., Beets, M.W & White K. Disparities in Childhood Overweight and Obesity by Income: An epidemiological examination using three nationally representative datasets. <i>International Journal of Obesity</i>	2019
33. Hunt, E., Brazendale, K., Dunn, C., Boutte, A., Liu, J., Hardin, J., Beets, M.W., Weaver, R.G. Income, Race and its Association with Obesogenic Behaviors of U.S. Children and Adolescents, NHANES 2003-2006, <i>Journal of Community Health</i>	2019
35. Stoner, L., Beets, M.W., Brazendale, K., Weaver R.G., & Moore J.B. Social Jetlag (Poor Sleep) is associated with adiposity in children, <i>Global Pediatric Health</i>	2018
34. Stoner, L., Beets, M.W., Brazendale, K., Moore J.B. & Weaver, R.G. Exercise dose and weight loss in overweight and obese adolescents: A meta-regression, <i>Sports Medicine</i>	2018
32. Sacko, R.S., Brazendale, K., Brian, A., Mclver, K., Nesbitt, D., Pfeifer, C., Stodden D.F. Comparison of Indirect Calorimetry- and Accelerometry-based Energy Expenditure During Object Project Skill Performance. <i>Measurement in Physical Education and Exercise Science</i>	2018
31. Ravagnani, F., Alexandre, M.G., Coelho, C.D., Brazendale, K., Weaver R.G., Beets, M.W. Using the LET US Play Principles to maximize children's physical activity in physical education classes, <i>Movimento</i>	2018
30. Weaver, R.G., Beets, M.W., Perry, M.W., Hunt, E.T., Brazendale, K., Decker, L, Turner-McGrievy, G, Pate R.R., Youngstedt, S., Saelens, B., Maydeu-Olivares, A. Changes in children's sleep and physical activity during a 1-week versus a 3-week break from school: A natural experiment, <i>Sleep</i>	2018
29. Chandler, J.L., Beets, M.W., Saint-Maurice, P., Weaver, R.G., Cliff, D.P., Drenowatz, C., Moore, J.B., Sui, X., & Brazendale, K. Wrist-Based Accelerometer Counts during Sedentary Activities in 5-11 year olds, <i>Children</i>	2018
28. Beets, M.W., Weaver, R.G., Brazendale K., Turner-McGrievy, G.M., Saunders, R.P., Moore, J.B., Webster, C., Khan, M., & Beighle, A. Statewide dissemination and implementation of physical activity standards in afterschool programs: Two-year results, <i>BMC Public Health</i>	2018
27. Brazendale, K., Beets, M.W., & Weaver, R.G., Turner-McGrievy, G.M., Brazendale, A.B., Chandler, J.L., Moore, J.B., Huberty, J.L., & Brownson, R.C. The application of mHealth to monitor implementation of best practices to support healthy eating and physical activity, <i>Global Health Promotion</i>	2018
26. Brazendale, K., Beets, M.W., Turner-McGrievy, G.M., Kaczynski, A.T., Pate, R.R. & Weaver, R.G., Children's Obesogenic Behaviors During Summer Versus School: A within-person comparison, <i>Journal of School Health</i>	2018
25. Weaver, R.G., Webster, C.A., Beets, M.W., Brazendale, K., Schisler, L., Aziz, M. Initial Final Outcomes of an Intervention to Increase Students' Physical Activity during the School Day: A two-year pilot study, <i>American Journal of Preventive Medicine</i>	2018

Keith Brazendale, Ph.D., M.Sc.

Research Assistant Professor • Department of Exercise Science
Arnold School of Public Health • University of South Carolina

-
24. **Brazendale, K.**, Beets, M.W., Rowlands, A., et al. Converting Estimates of Moderate-to-Vigorous Physical Activity Between Two Accelerometers - GENEActiv and ActiGraph: The Rosetta Stone, *Journal of Sports Sciences*, 1-5 **2018**
 23. Beets, M.W., **Brazendale, K.**, Weaver, R.G., Turner-McGrievy, G.M., Huberty, J.L., Moore, J.B., Khan M.M., Ward D.S. Economic evaluation of a group randomized controlled trial on healthy eating and physical activity in afterschool programs, *Preventive Medicine*, 106: 60-65. **2018**
 22. Weaver, R.G., Beets, M.W., **Brazendale K.**, & Brusseau T.A. Summer Weight Gain and Fitness Loss: Causes and Potential Solutions, *American Journal of Lifestyle Medicine* **2018**
 21. Sacko, R., Egan, C., Michael, D., Moore, E., Kaysing, N., **Brazendale, K.**, & Webster, C. Activity levels of college students enrolled in physical activity courses, *American Journal of Health Studies* **2017**
 20. **Brazendale, K.**, Beets, M.W., Weaver, R.G., Pate, R.R., Turner-McGrievy, G., Kaczynski, A.T., Chandler, J.C., & Bohnert, A., & von Hippel P. Understanding differences between summer vs. school obesogenic behaviors of children: The Structured Days Hypothesis, *International Journal of Behavioral Nutrition and Physical Activity*, 14(1), 100. **2017**
 19. Weaver, R.G., Webster, C.A., Beets, M.W., **Brazendale, K.**, Chandler, J.L., Schisler, L., Aziz, M. Initial Outcomes of a Participatory-Based, Competency Building Approach to Increasing Physical Education Teachers' Physical Activity Promotion and Students' Physical Activity: A pilot study. *Health Education Behavior*, (Epub ahead of print) **2017**
 18. Beets, M.W., Weaver, R.G., Turner-McGrievy, G.M., Saunders R., Webster, C.A., Moore, J.B., **Brazendale, K.**, Chandler, J.L. Evaluation of a statewide dissemination and implementation of healthy eating intervention in afterschool programs: A nonrandomized trial, *Translational Behavioral Medicine*, 1-12. **2017**
 17. Weaver, R.G., **Brazendale, K.**, Chandler, J.L., Turner-McGrievy, G.M., Moore, J.B., Huberty, J.L., Ward, D.S. & Beets M.W., First year physical activity findings from Turn up the HEAT (Healthy Eating and Activity Time) in Summer Day Camps, *PLoS ONE*, 12(3), e0173791 **2017**
 16. Moore, J.B., Beets, M.W., **Brazendale, K.**, Fleischer, N.L., Blair, S.N., & Pate, R.R. Vigorous Physical Activity is Independently Associated with Markers of Adiposity and Cardiometabolic Risk in Youth, *Medicine & Science in Sports & Exercise*, 49(7), 1366-1374. **2017**
 15. Coelho, C.D., Ravagnani, F., **Brazendale, K.**, Weaver R.G., Beets, M.W. Application of the Rosetta Stone to understand how much MVPA preschoolers accumulate: A systematic review, *Journal of Science and Medicine in Sports*, 20(9), 849-855 **2017**
 14. **Brazendale, K.**, Beets, M.W., Weaver R.G., Chandler, J.L., Randel, A.B., Turner-McGrievy G.M., Moore, J.B., Huberty, J.L., & Ward, D.S. Children's moderate-to-vigorous physical activity attending summer day camps, *American Journal of Preventive Medicine*, 53(1), 78-84. **2017**
 13. **Brazendale, K.**, Drenowatz, C., Falck, R.F., Randel, A.B., Hoffmeyer, J.D., Hand, G.A., Burgess, S., & Blair S.N. Depressive symptoms are associated with increased time spent sedentary in healthy young U.S. adults, *Progress In Preventive Medicine*, 2(2), e0004. **2017**
 12. Turner-McGrievy, G., Hales, S.B., Schoffman, D.E., Valafar, H., **Brazendale, K.**, Weaver, R.G., Beets, M.W., Wirth M.D., Shivaooa, N., Mandes, T., Hebert J.R., Wilcox, S., Hester, A., McGrievy, M.J. Choosing between responsive design websites versus mobile apps for your mobile behavioral intervention: Presenting four case studies. *Translational Behavioral Medicine*, 7(2), 224-232. **2017**
 11. Weaver, R.G., Moore, J.B., Turner-McGrievy, G., Saunders, R., Beighle, A., Kahn, M., Chandler, J.L., **Brazendale, K.**, & Beets, M.W. Identifying strategies programs adopt to meet healthy eating and physical activity standards in afterschool programs, 44(4), 536-547 **2016**
 10. Beets, M.W., Weaver, R.G., Turner-McGrievy, G., Huberty, J., Ward, D.S., Pate R.R., Freedman, D., Moore, J.B., Bottai, M., Chandler, J.L., **Brazendale, K.** & Beighle, A. Physical activity outcomes in afterschool programs: A group randomized controlled trial, *Preventive Medicine*, 90, 207-215. **2016**
 9. Beets, M.W., Weaver, R.G., Turner-McGrievy, B., Moore, J.B., Webster, C., Huberty, J., Ward, D.S., **Brazendale, K.** & Chandler, J.C. Are we there yet? Compliance with physical activity standards in YMCA afterschool programs, *Childhood Obesity*, 12(4), 237-246. **2016**

Keith Brazendale, Ph.D., M.Sc.

Research Assistant Professor • Department of Exercise Science
Arnold School of Public Health • University of South Carolina

-
8. Falck, R.S., Landry, G.J., **Brazendale, K.**, & Liu-Abrose, T. Measuring Physical Activity in Older Adults Using MotionWatch8 Actigraphy: How many days are needed? *Journal of Aging and Physical Activity*, 25(1), 51-57. **2016**
 7. Weaver, R.G., Moore, J.B., Huberty, J., Freedman, D.A., Turner-McGrievy, G.M., Beighle, A., Ward, D. S., Pate, R.R., Saunders, R., **Brazendale, K.**, Chandler, J.L., Ajja, R., Kyryliuk, R., Beets, M.W. Process Evaluation of Making HEPA Policy Practice: A Group Randomized Trial. *Health Promotion Practice*, 17(5), 631-647. **2016**
 6. **Brazendale, K.**, Chandler J.L., Beets M.W., Weaver, R.G., Beighle, A., Huberty, J.L., & Moore J.B. Maximizing children's physical activity using the LET US Play principles, *Preventive Medicine*, 76, 14-19. **2015**
 5. Chandler, J.L., **Brazendale, K.**, & Beets, M.W. Calibration and cross-validation of a wrist worn accelerometer for 8 to 12 year old children, *Pediatric Obesity*, 11(2), 120-127. **2015**
 4. Falck, R.S., McDonald, S.M., Beets, M.W., **Brazendale, K.**, & Liu-Ambrose, T., Physical Activity Measurement in Older Adults Interventions: A Systematic review and Meta-Analysis, *British Journal of Sports Medicine*, 50(8), 464-470. **2015**
 3. **Brazendale, K.**, Beets, M.W., Bornstein, D., Moore, J.B., Pate, R.R., Weaver, R.G., Falck, R.S., Chandler, J.L., Andersen, L.B., Anderssen, S.A., Cardon, G., Cooper, A., Davey, R., Froberg, K., Hallal, P.C., Janz, K.F., Kprdas, K., Kriemler, S., Puder, J.J., Reilly, J.J., Salmon, J., Sardinha, L.B., Timperio, A., & van Sluijs, E.M.F., Equating accelerometer estimates among youth: the Rosetta Stone 2, *Journal of Science and Medicine in Sport*, 19(3), 242-249. **2015**
 2. **Brazendale, K.**, Graves, B.S., Penhollow, T., Whitehurst, M., Pittinger, E., & Randel, A.B. Children's enjoyment and perceived competence in physical education and its effects on their physical activity participation outside of school. *Report on Emotional & Behavioral Disorders in Youth*, Summer Issue, 65-69. **2015**
 1. **Brazendale, K.**, Beets, M.W., Weaver, R.G., Huberty, J.L., Beighle, A., & Pate, R.R. Wasting our time? Allocation versus accumulated physical activity in afterschool programs, *Journal of Physical Activity and Health*, 12(8), 1061-1065. **2014**

PEER REVIEWED PUBLICATIONS (In Review)

-
10. Weaver, R.G., Beets, M.W., **Brazendale, K.**, Hunt, E.T. Excess Adiposity and BMI-determined Overweight or Obesity in Children: Disparities by household income and race, *Ethnicity and Health* **In review**
 9. Tyler, E.C., **Brazendale K.**, Hunt, E.T., Decker, L., Whitfield, M.W., Mealing, B., Schisler, L., Aziz M., Beets, M.W., Weaver R.G., Physical Activity Opportunities for Elementary Aged Children during the Segmented School Day in One Low-Income School District, *American Journal of Health Promotion* **In review**
 8. **Brazendale, K.**, Beets, M.W., Weaver, R.G., Perry, M.W., Tyler, E.B., Hunt, E.T., Decker, L., Chaput, JP. Comparing objective measures of free-living sleep in elementary school-aged children, *Behavioral Sleep Medicine* **In review**
 7. Chandler, J.L, Beets, M.W., Drenowatz, C., Moore, J. B., Sui, X., **Brazendale, K.** Structure of physical activity opportunities contribution to children's physical activity levels. *Journal of Physical Activity & Health* **In review**
 6. **Brazendale, K.**, Randel, A.B., McDonald, A.A., et al. Breaking Tradition: Increasing physical activity and reducing sedentary time of children with developmental disabilities, *Research in Developmental Disabilities* **In review**
 5. Beets, M.W., **Brazendale, K.**, Schisler, L., Weaver R.G., Turner-McGrievy, G.M., Hussey, J., Webster, C., Moore, J.B., & Ward, D.S. Changes in foods and beverages served and consumed by youth in summer day camps: a nonrandomized controlled trial, *American Journal of Preventive Medicine* **In review**
 4. **Brazendale, K.** & Harrison, S.E. Physical Activity Counseling in Pediatric Primary Care: A Narrative Review, *Maternal and Child Health* **In review**

Keith Brazendale, Ph.D., M.Sc.

Research Assistant Professor • Department of Exercise Science
Arnold School of Public Health • University of South Carolina

-
3. **Brazendale, K.**, Randel, A.B., Sorenson, C., et al. Increasing physical activity in youth with developmental disabilities in physical education, *Adapted Physical Activity Quarterly* In review
 2. Chandler, J.L, Beets, M.W., Drenowatz, C., Moore, J. B., Sui, X., Weaver, R. G., **Brazendale, K.**, Cliff, D.P., Rowlands, A. The Rosetta Stone for equating hip and wrist-based accelerometer derived estimates of physical activity among elementary aged youth. *Journal of Sport and Health Science* In review
 1. Chandler, J.L., **Brazendale, K.**, Weaver, R.G., Graham, V.A., & Beets, M.W. Portable Child Activity Evaluation: A Proof-of-Concept Study, *Health Education Practice* In review

PROFESSIONAL ORAL PRESENTATIONS

-
- Brazendale, K.**, Beets, M.W., Weaver, R.G., Bohnert, A., von Hippel, P., Moreno J.P. "Summer Time Obesity Prevention (STOP): The Health Gap Hypothesis" in M.W. Beets (Chair), STOP (Summer Time Obesity Prevention Symposium) Accelerated Weight Gain and Fitness Loss among Youth. Society of Behavioral Medicine (SBM), New Orleans, LA 2018
- Brazendale, K.** Childhood Obesity: Reframing Policy Priorities, Guest Lecture, HPEB 511: Health Problems in a Changing Society, University of South Carolina, Columbia, SC 2018
- Brazendale, K.** Wearable Fitness Trackers: Out with the Old, In with the New, Pre-conference Rapid Research Race, South East Chapter of the American College of Sports Medicine (SEACSM), Chattanooga, TN 2018
- Brazendale, K.** Healthy Eating & Physical Activity 101, YMCA Youth Development Summit, Columbia, SC 2018
- Brazendale, K.** Case Control Studies, Guest Lecture, EXSC 800: Research Methods and Design in Exercise Science, University of South Carolina, Columbia, SC 2017
- Brazendale, K.** Freshen Up Old Games, YMCA Youth Development Summit, Black Mountain, NC 2017
- Brazendale, K.** et al. Children's Obesogenic Behaviors During Summer vs. School, International Society of Behavioral Nutrition and Physical Activity Annual Conference (ISBNPA), Victoria, Canada 2017
- Brazendale, K.** The LET US Play Principles – Maximizing Children's Physical Activity Opportunities. YMCA HEPA Summit Conference, Kansas City, MO 2017
- Brazendale, K.** Childhood Obesity and Physical Activity Interventions, Guest Lecture, HPEB 470: Principles of Global health, University of South Carolina, Columbia, SC 2017
- Brazendale, K.** Physical Activity Counseling in Pediatric Primary Care: A Narrative Review, Education for Primary Care, South Carolina SmartState Center for Healthcare Quality (CHQ) Annual Research Symposium, Columbia, SC 2017
- Brazendale, K.** Childhood Obesity and Physical Activity Promotion, Guest Lecture, HPEB 470: Principles of Global health, University of South Carolina, Columbia, SC 2016
- Brazendale, K.** Children's Obesogenic Behaviors during School vs. Summer: A Pilot Study, Exercise Science Seminar Series, University of South Carolina, Columbia, SC 2016
- Brazendale, K.** Healthy Eating and Physical Activity (HEPA) in Afterschool Programs: Identifying points of intervention using a mobile Web app, Active Living Research (ALR) 2016, Clearwater, FL 2016
- Brazendale, K.** Freshen Up Old Games. YMCA Carry the Torch Campfire Conference. Black Mountain, NC 2016
- Brazendale, K.** Healthy Eating and Physical Activity (HEPA) in Afterschool Programs: Identifying points of intervention using a mobile web app, Exercise Science Seminar Series, University of South Carolina, Columbia, SC 2015
- Brazendale, K.** Breaking tradition: maximizing children's physical activity by modifying traditional games with the LET US Play principles, Active Living Research (ALR), San Diego, CA 2015
- Brazendale, K.** Breaking tradition: maximizing children's physical activity by modifying traditional games with the LET US Play principles, South Carolina Public Health Association (SCPHA) , Columbia, SC 2015

Keith Brazendale, Ph.D., M.Sc.

Research Assistant Professor • Department of Exercise Science
Arnold School of Public Health • University of South Carolina

Brazendale, K. Breaking tradition: maximizing children's physical activity by modifying traditional games with the LET US Play principles, Exercise Science Seminar Series, University of South Carolina, Columbia, SC 2014

PROFESSIONAL ABSTRACTS

-
- Brazendale, K.**, Beets, M.W., Weaver, R.G., Bohnert, A., von Hippel, P., Moreno J.P. "Summer Time Obesity Prevention (STOP): The Health Gap Hypothesis" in M.W. Beets (Chair), STOP (Summer Time Obesity Prevention) Accelerated Weight Gain and Fitness Loss among Youth. Society of Behavioral Medicine (SBM), New Orleans, LA - Symposium 2018
- Brazendale, K.**, Brazendale, A., Monroe, C, Weaver, R.G. & Beets M.W. Heart rate coverage of wearable activity monitors in youth with developmental disabilities. South East Chapter of the American College of Sports Medicine (SEACSM), Chattanooga, TN – *Doctoral Finalist Poster presentation* 2018
- Weaver, R.G., Beets, M.W., **Brazendale, K.**, Mealing, B., Hunt, E., Whitfield, M. Examining differences in BMI and Fitness Trajectory Over the Summer of Children Attending Year-round Versus Traditional Schools. In M.W. Beets (Chair), Taking a Vacation from Health? Innovative and International Perspectives on Preventing Accelerated Weight Gain during School Breaks. International Society of Behavioral Nutrition and Physical Activity (ISBNPA), Wanchai, Hong Kong, China – *Symposium* 2018
- Burrell, **E., K. Brazendale, K.**, Decker L., Schisler, L., Whitfield, M., Mealing, B., Hunt, E., Aziz, M., Beets, M., R. G. Weaver - Physical Activity Opportunities Throughout a Segmented School Day, South East Chapter of the American College of Sports Medicine (SEACSM), Chattanooga, TN - *Poster Presentation* 2018
- Mealing, B., **Brazendale, K.**, Whitfield M., Burrell, E., Decker, L., Hunt, E., Aziz M., Beets, M., Weaver R. - Examining the Differences in BMI Changes Over the Summer Among Children Attending Year-round versus Traditional Schools, South East Chapter of the American College of Sports Medicine (SEACSM), Chattanooga, TN - *Poster Presentation* 2018
- Hunt, E. T., Whitfield, M. L., **Brazendale, K.**, Beets, M. W., Weaver, R. W. (2017) Examining the impact of a summer learning program on children's weight status, cardiorespiratory fitness, South East Chapter of the American College of Sports Medicine (SEACSM) Chattanooga, TN- *Poster Presentation* 2018
- Decker, L., Beets, M., Hunt, E., Whitfield, M., **Brazendale, K.**, Weaver R. Wearables for Kids – Validation of Consumer-Wearable Heart Rate in Children, South East Chapter of the American College of Sports Medicine (SEACSM), Chattanooga, TN – *Poster Presentation* 2018
- Whitfield, M. Stewart, G., Decker, L., **Brazendale, K.**, Beets, M., Weaver, R. – A Comparison of Moderate to Vigorous Physical Activity During Traditional and Non-Traditional School Activity Opportunities, South East Chapter of the American College of Sports Medicine (SEACSM), Chattanooga, TN – *Poster Presentation* 2018
- Brazendale, K.** et al. Children's Obesogenic Behaviors During Summer vs. School: A Within-Person Comparison, American Public Health Association (APHA) – Delta Omega Honorary Society, Atlanta, GA – *Poster Presentation* 2017
- Weaver, R.G., Webster, C.A., Beets, M.W., **Brazendale, K.**, Chandler, J., Schisler, L., Aziz, M. Intervention to Increase Physical Activity During Physical Education: A pilot, Society of Health and Physical Educators, Nashville, TN – *Poster Presentation* 2017
- Sacko, R.S., Egan, C., Michael, D., Moore, E., Kaysing, N., **Brazendale, K.**, & Webster, C.A., (March, 2018) Activity Levels of College Students Enrolled in Physical Activity Courses – *Poster Presentation* 2017
- Brazendale, K.** & Harrison, S.E. Physical Activity Counseling in Pediatric Primary Care: A Narrative Review, Childhood Obesity Conference, San Diego, CA – *Poster Presentation* 2017
- Brazendale, K.** et al. Children's Obesogenic Behaviors During Summer vs. School, International Society of Behavioral Nutrition and Physical Activity Annual Conference (ISBNPA), Victoria, Canada – *Poster Presentation* 2017
- Harrison, S.E., **Brazendale, K.**, Beman, M. & Whitbeck, G. Implementing Diet and Nutrition Recommendations in Pediatric Primary Care: Challenges and Opportunities, American Public Health Association (APHA), Atlanta, GA – *Poster Presentation* 2017

Keith Brazendale, Ph.D., M.Sc.

Research Assistant Professor • Department of Exercise Science
Arnold School of Public Health • University of South Carolina

- Brazendale, K.** et al. Children's Obesogenic Behaviors During Summer vs. School: A Within-Person Comparison, South East Chapter of the American College of Sports Medicine (SEACSM), Greenville, SC – *Poster Presentation* 2017
- Beets, M.W., Weaver, R.G., Webster, **Brazendale, K.** & Chandler, J.C. Theory of Expanded, Extended, and Enhanced Opportunities for Youth Physical Activity Promotion, American Public Health Association (APHA), Boulder, CO – *Poster Presentation* 2016
- Brazendale, K.** et al. Healthy Eating and Physical Activity (HEPA) in Afterschool Programs: Identifying points of intervention using a mobile web app, South East Chapter of the American College of Sports Medicine (SEACSM), Greenville, SC – *Poster Presentation* 2016
- Randel, A., **Brazendale, K.**, Crawford, T, Weaver, R.G., Beets, M.W., & Chandler, J.L. Increasing physical activity in youth with autism and other developmental disabilities during summer camp. Southeastern Chapter of the American College of Sports Medicine (SEACSM), Greenville, SC - *Poster Presentation* 2016
- Chandler, J.L., Beets, M.W., **Brazendale, K.** & Mealing, B.A., Analysis of accelerometer counts during sedentary activities on the non-dominant wrist in 5-11 year old children, Southeastern Chapter of the American College of Sports Medicine (SEACSM), Greenville, SC - *Poster Presentation* 2016
- Randel, A., **Brazendale, K.**, Sorensen, C., Weaver, R. W., Moore, J., Beets, M., & Zarrett, N. Increasing physical activity in youth with autism and other developmental disabilities in physical education. Active Living Research (ALR) 2016, Clearwater, FL - *Poster Presentation* 2016
- Weaver, R.G., Moore, J.B., Turner-McGrievy, B Saunders, R., Beighle, A., Kahn, M., Chandler, J.L., **Brazendale, K.**, & Beets, M.W. Identifying what works for achieving healthy eating and physical activity standards in afterschool programs. Active Living Research (ALR) 2016, Clearwater, FL - *Poster Presentation* 2016
- Moore, J.B., Beets, M.W., **Brazendale, K.**, Fleischer, N., Blair, S.N., & Pate, R.R., Impact of Accelerometer Cutpoints on the Association of Vigorous Physical Activity with Cardiometabolic Biomarkers in Youth, American Public Health Association (APHA), Boulder, CO – *Poster Presentation* 2016
- Chandler, J.L., **Brazendale, K.**, Mealing, B.A. & Beets, M.W. What's our vector, victor? Classification of physical activity intensities using a wrist-worn accelerometer in 8-12 year old children. American College of Sports Medicine (ACSM), San Diego, CA – *Poster Presentation* 2015
- Brazendale, K.** et al. Equating accelerometer estimates among youth: the Rosetta Stone 2. Graduate Student Day, University of South Carolina, Columbia, SC – *Poster Presentation* 2015
- Brazendale, K.** et al. Equating accelerometer estimates among youth: the Rosetta Stone 2. South East Chapter of the American College of Sports Medicine (SEACSM), Jacksonville, SC – *Poster Presentation* 2015
- Falck, R.S., McDonald, S.M., Beets, M.W., **Brazendale, K.**, & Liu-Ambrose, T., Physical Activity Measurement in Older Adults Interventions: A Systematic review and Meta-Analysis, American College of Sports Medicine (ACSM), San Diego, CA – *Poster Presentation* 2015
- Chandler, J.L., **Brazendale, K.**, Mealing, B.A. & Beets, M.W. What's our vector, victor? Classification of physical activity intensities using a wrist-worn accelerometer in 8-12 year old children. South East Chapter of the American College of Sports Medicine (SEACSM), Jacksonville, FL – *Doctoral Student Finalist Poster* 2015
- Ajja, R., Weaver, R.G., Chandler, J.L., Tilley, F., Kyrliuk, B., **Brazendale, K.**, Beets, M.W., Measuring policy environment characteristics: Responsiveness to change of the Healthy Afterschool Activity and Nutrition Documentation (HAAND) instrument. Active Living Research Conference, San Diego, CA – *Poster Presentation* 2015
- Moore, J.B., Beets, M.W., **Brazendale, K.**, Fleischer, N.L., Blair, S.N., & Pate, R.R. Vigorous Physical Activity is Independently Associated with Markers of Adiposity and Cardiometabolic Risk in Youth., American Public Health Association (APHA), New Orleans, LA – *Poster Presentation* 2014
- Brazendale, K.**, et al. Children's enjoyment and perceived competence in physical education and its effects on their physical activity participation outside of school. American College of Sports Medicine (ACSM) Annual Meeting, Orlando, FL – *Poster Presentation* 2014
- Brazendale, K.**, et al. Children's enjoyment and perceived competence in physical education and its effects on their physical activity participation outside of school. South East Chapter of the American College of Sports Medicine (SEACSM), Greenville, SC – *Poster Presentation* 2014

Keith Brazendale, Ph.D., M.Sc.

Research Assistant Professor • Department of Exercise Science
Arnold School of Public Health • University of South Carolina

EXTERNAL/INTERNAL FUNDING

Title: *Turn Up The HEAT – Healthy Eating and Activity Time in Summer Day Camps*
Role: Measurement Coordinator (PI – Michael W. Beets)
Dates: 2014-2018
Funder: NIH/NICHHD (R01)
Award: \$1,688,260 IN DIRECT COSTS
Status: Active

Title: *Policy to Practice: Statewide Rollout of YMCA Childhood Obesity Standards*
Role: Measurement Coordinator (PI – Michael W. Beets)
Dates: 2014-2018
Funder: NIH/NICHHD (R01)
Award: \$1,606,216 IN DIRECT COSTS
Status: Active

Title: *Investigating the role of structured days on accelerated weight gain during summer*
Role: Co-Investigator (PI – R. Glenn Weaver)
Dates: 2018-2020
Funder: NIH/NICHHD (R21)
Award: \$275,000 IN DIRECT COSTS
Status: Active

Title: *Underlying mechanisms of disparities in sleep deficiencies in children: The ‘Structure Limits Exposure to Excessive Problems with sleep’ (SLEEP) study*
Role: Principal Investigator
Dates: 2018-2020
Funder: NIH/NICHHD (R21)
Award: TBD
Status: In review

Title: *Evaluation of a pediatric weight management referral program for overweight or obese children from low-income households*
Role: Principal Investigator
Dates: 2019-2021
Funder: NIH/NIDDK (R21)
Award: TBD
Status: In review

Title: *Differences in obesogenic behaviors between low- and high-income black and white children*
Role: Co-investigator (PI – R. Glenn Weaver)
Dates: 2019-2023
Funder: NHLBI (R01)
Award: TBD
Status: In review

Title: *Children’s obesogenic behaviors during summer versus school: a within-child comparison*
Role: Primary Investigator
Dates: 2015-017
Funder: Office of the Vice President for Research (University of South Carolina)
Award: \$5,000
Status: Complete

Keith Brazendale, Ph.D., M.Sc.

Research Assistant Professor • Department of Exercise Science
Arnold School of Public Health • University of South Carolina

Title: *Physical Activity and Nutrition Intervention in Afterschool Programs*
Role: Measurement Coordinator (PI – Michael W. Beets)
Dates: 2012-2015
Funder: NIH/NHLBI (R01)
Award: \$2,074,048 IN DIRECT COSTS
Status: Complete

AWARDS & ACHIEVEMENTS

Delta Omega Honorary Society Research Poster Award Mu Chapter, Arnold School of Public Health University of South Carolina, Columbia, SC	2017
CHQ Junior Scholar Program Award South Carolina SmartState Center for Healthcare Quality (CHQ) Arnold School of Public Health University of South Carolina, Columbia, SC	2016
Breakthrough Graduate Scholar Office of the Vice President for Research University of South Carolina, Columbia, SC	2016
Master's Scholar Award American Kinesiology Association (AKA) Champaign, IL	2014
Virginia D. Kelly Exercise Science & Wellness Graduate Scholarship College of Education Florida Atlantic University, Boca Raton, FL	2012
'Excellence in Teaching' 1st Place Award Moray House School of Education University of Edinburgh Edinburgh, Scotland, UK	2009

PROFESSIONAL AFFILIATIONS

Society of Behavioral Medicine	2017 – Present
American Public Health Association (APHA)	2017 – Present
South Carolina Public Health Association (SCPHA)	2015 – Present
American College of Sports Medicine Member (ACSM)	2012 – Present

CERTIFICATES & QUALIFICATIONS

General Teaching Council of Scotland (GTCS) – Licensed Physical Education Teacher	2010 – Present
Scottish Football Association (SFA) Coach Education Course – Level 3	2004 – Present
Scottish Football Association (SFA) Coach Education Course – Level 2	2004 – Present

Keith Brazendale, Ph.D., M.Sc.

Research Assistant Professor • Department of Exercise Science
Arnold School of Public Health • University of South Carolina

Scottish Football Association (SFA) Coach Education Course – Level 2

2003 – Present

PEER REVIEWER

Journal: *Health Psychology and Behavioral Medicine*

2016 – Present

Journal: *Childhood Obesity*

2016 – Present

COURSES TAUGHT

Physiology of Muscular Activity (EXSC 530)

2018 – 2019

Physical Activity Measurement (EXSC 555)

2018

Community-based Physical Activity Interventions (EXSC 754)

2016

Research Methods and Design for Exercise Science (EXSC 787)

2016

Exercise Physiology Lab (APK 4110L)

2011 – 2013