

Curriculum Vitae

Tiago Barreira, Ph.D.

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I. EDUCATION AND EXPERIENCE

A. Educational Background

Ph.D.	2010	Human Performance (Kinesmetrics Concentration), Middle Tennessee State University (MTSU)
M.S.	2006	Exercise Science Middle Tennessee State University
B.A.	2003	Physical Education (Exercise Science Concentration) University of North Carolina at Wilmington (UNCW)
B.S.	2003	Business Administration (Finance Concentration) University of North Carolina at Wilmington
2010-Present		Post Doctoral Fellow – Pennington Biomedical Research Center
2005-2010		Teaching Assistant – Department of Health and Human Performance, MTSU
2002-2003		Teaching Assistant (internship) – Department of Health and Applied Human Sciences, UNCW
2000-2003		Tutor – UNCW

C. Membership in Professional and Community Activities

2011-	American Heart Association
2011-	The Obesity Society
2011-	The American Association for the Advancement of Science
2010-	International Society for Physical Activity and Health

2003-2011	National Strength and Conditioning Association (CSCS certified)
2003-	American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD)
2003-	American Association for Physical Active and Recreation (AAPAR)
2006-	American College of Sports Medicine (ACSM)

D. Awards/Honors

2011	Participated in the 2011 CDC Physical Activity and Public Health Course
2010	Research Consortium's 2010 Research Writing Award for the paper entitled "How many days are enough? A study of 365 days of pedometer monitoring"
2009	Measurement and Evaluation Council of the AAPAR Graduate Student Scholarship winner.
2008	Student research award finalist at the South East ACSM 2008 conference.
2007	Middle Tennessee State University, Scholars Week: research, scholarship, and creative project 3 rd place winner.
2003	University of North Carolina at Wilmington Department of Health and Applies Human Sciences Outstanding Exercise Science Student Award Recipient, spring 2003 Commencement.
2003	Colonial Athletic Association Scholar Athlete of the year 2002-2003.
2003	University of North Carolina at Wilmington Chancellor's Cup Award 2002-2003
2003	New Hanover Regional Medical Center Scholarship
1999-2003	University of North Carolina at Wilmington Swimming and Diving Scholarship

E. Manuscript Reviews

- American Journal of Physical Anthropology – 2012, 2013
- Annals of Human Biology - 2013
- BMC Public Health – 2011, 2013
- International Journal of Exercise Science - 2008
- International Journal of Pediatric Obesity – 2011

- International Journal of Sports Medicine – 2011, 2012
- Journal of Clinical Endocrinology & Metabolism – 2011, 2012
- Journal of Physical Activity and Public Health – 2012, 2013
- Journal of Sports Science – 2011, 2012
- Journal on Aging and Physical Activity – 2013
- Korean Society for Measurement and Evaluation in Physical Education and Sports Science Journal - 2008
- Measurement in Physical Education and Exercise Science – 2010, 2011
- Medical Engineering and Physics – 2013
- Medicine and Science in Sports and Exercise – 2012
- Military Medicine – 2012
- Obesity – 2011, 2012, 2013
- Ophthalmology - 2011
- PLoS ONE – 2011, 2012
- Research Quarterly for Exercise and Sport – 2010, , 2011, 2012, 2013
- Sensors – 2013

II. RESEARCH: PUBLICATIONS

A. Thesis/Dissertation Title

Barreira, T. V. (2010). Dose-response relationship between exercise and CVD risk factors: A meta-analysis of randomized controlled trials. Middle Tennessee State University, Murfreesboro, TN.

Barreira, T. V. (2006). Resistance Training and Bone Mineral Density of College Level Female Swimmers. Middle Tennessee State University, Murfreesboro, TN.

B. Refereed Journal Articles Published and In Press

Barreira, TV., Brouillette, RM, Foil, HC., Keller, JN., & Tudor-Locke, C. (Epub). Older adults' steps/day using NL-1000 pedometer and two GT3X+ accelerometer filters. *Journal of Aging and Physical Activity,*

Rowe, D., Kang, M., Sutherland, R., Holbrook, E. A., **Barreira, T. V.** (Epub). Evaluation of inactive adults' ability to maintain a moderate-intensity walking pace. *Journal of Science and Medicine in Sport,*

Herrmann, S., **Barreira, TV.,** Ainsworth, B., & Kang, M. (Epub). The impact of accelerometer wear time on physical activity data. *British Journal of Sports Medicine,*

- Tudor-Locke, C., Brouillette, RM, Foil, HC., **Barreira, T.V.**, & Keller, J. N, (Epub) Preliminary comparison of clinical and free-living measures of stepping cadence in older adults. *Journal of Physical Activity and Health*,
- Herrmann, S. D., **Barreira, T. V.**, Kang, M., & Ainsworth, B. E. (Epub). How many hours are enough? Optimal accelerometer wear time to reflect daily activity. *Journal of Physical Activity and Health*,
- Barreira, T. V.**, Staiano, A. E., & Katzmarzyk, P. T. (2013). Validity Assessment of a portable bioimpedance scale to estimate body fat percentage in white and African American children and adolescents. *Pediatric Obesity*, 8(2), e29-e32.
- Barreira, T.V.**, Tudor-Locke, C., Champagne, C., Broyles, S.T., Harsha, D., Kennedy, B. M., et al. (2013). Comparison of Yamax pedometer and GT3X accelerometer steps in a free-living sample. *Journal of Physical Activity and Health*, 10, 263-270.
- Barreira, TV.**, Renfrow, MS., Tseh, W., & Kang, M. (2013). Validity of 7-site skinfold measurement taken by exercise science students. *International Journal of Exercise Science*, 6(1), 20-28.
- Barreira, T. V.** (2012). In search of a step-counter criterion for the free-living condition. (Letter to the Editor-in-Chief) *Medicine and Science in Sports and Exercise*, 44(9), 820.
- Barreira, T. V.**, Katzmarzyk, P. T., Johnson, W. D., & Tudor-Locke, C. (2012). Stepping patterns of children and adolescents in the 2005-2006 NHANES. *Medicine and Science in Sports and Exercise*, 44(9), 1721-1727.
- Barreira, T. V.**, Staiano, A. E., Harrington, D. M., Heymsfield, S. B., Steven, R. S., Bouchard, C., & Katzmarzyk, P. T. (2012). Anthropometric correlates of total body fat, abdominal adiposity and cardiovascular disease risk factors in a biracial sample of men and women. *Mayo Clinic Proceedings*, 87(5), 452-460.
- Kang, M, Bassett, D. R., Tudor-Locke, C., **Barreira, T. V.**, & Ainsworth, B. E. (2012). Measurement effects of seasonal and monthly variability on pedometer-determined data. *Journal of Physical Activity and Health*, 9(3), 336-343.
- Katzmarzyk, P. T., **Barreira, T. V.**, Harrington, D. M., Staiano, A. E., Heymsfield, S. B., & Gimble, J. M. (2012). Relationship between abdominal fat and bone mineral density in white and African American adults. *Bone*, 50(2), 256-259.
- Barreira, T. V.**, Harrington, D. M., Staiano, A. E., Heymsfield, S. B., & Katzmarzyk, P. T. (2011). Body adiposity index, body mass index and body fat in white and African American adults. *JAMA*, 306(8), 828-830.
- Hart, P. D., **Barreira, T. V.**, & Kang, M. (2010). Correlates and predictors of physical inactivity among Tennessee adults. *Tennessee Medicine*, 103(9), 41-44.

- Barreira, T. V.**, Rowe, D. A., & Kang, M., (2010). Parameters of walking and jogging in healthy young adults. *International Journal of Exercise Science*, 3(1), 4-13.
- Kang, M., Marshall, S. J., **Barreira, T. V.**, & Lee, J. (2009). Effect of pedometer-based physical activity intervention: A meta-analysis. *Research Quarterly for Exercise and Sport*, 80(3), 648-655.
- Kang, M., Bassett, D. R., **Barreira, T. V.**, Tudor-Locke, C., Ainsworth, B., et al. (2009). How many days are enough? A study of 365 days of pedometer monitoring. *Research Quarterly for Exercise and Sport* 80(3), 445-453.
- Kang, M., Rowe, D. A., **Barreira, T. V.**, Robinson, T. S., & Mahar, M. T. (2009). Individual information-centered approach for handling physical activity missing data. *Research Quarterly for Exercise and Sport*, 80(2), 131–137.
- Kang, M., Holbrook, E. A., & **Barreira, T. V.** (2009). Validity and reliability of Omron pedometers at slow walking speeds: Response (Letter to the Editor-in-Chief). *Medicine and Science in Sports and Exercise*, 41(9), 1826-1828.
- Holbrook, E. A., **Barreira, T. V.**, & Kang, M. (2009). Validity and reliability of Omron pedometers under control and free-living conditions. *Medicine and Science in Sports and Exercise*, 41(3), 670-674.
- Barreira, T. V.**, Kang, M., Caputo, J. L., Farley, R. S., Renfrow, M. S. & Bettle, J. M. (2009). Validation of the Actiheart monitor for the measurement of physical activity. *International Journal of Exercise Science*, 2(1), 60-71.

B. Refereed Journal Articles under Review

- Tudor-Locke, C., Schuna, J.M.Jr., **Barreira, T.V.**, Mire, E.F., Broyles, S.T., Katzmarzyk, P.T., et al. (Under review) Normative accelerometer-determined steps/day and peak cadence data for older adults: NHANES 2005-2006. *Journal of Gerontology: Medical Sciences*. (Submitted for review on March 6, 2013)
- Barreira, T.V.**, Broyles, S.T., Gupta, A.K., & Katzmarzyk, P.T. (Under review). Clinical anthropometry versus total and visceral body fat in youth: sex and race differences. *Pediatrics*. (Submitted for review on March 5, 2013)
- Katzmarzyk, P.T., **Barreira, T.V.**, Broyles, S.T., Champagne, C.M., Chaput, J.P., Fogelholm, M., et al. (Under review). The International Study of Childhood Obesity, Lifestyle and the Environment (ISCOLE): Design and methods. *BMC Public Health*. (Submitted for review on February 22, 2013).
- Barreira, T. V.**, Katzmarzyk, P. T., Johnson, W. D., & Tudor-Locke, C. (Under review). Peak cadence indicators and cardiovascular risk in children and adolescents: NHANES 2005-2006. *European Heart Journal* . (Submitted for review on April 5, 2013).

Staiano A.E., D.H. Harrington, **T.V. Barreira**, P.T. Katzmarzyk. Self-reported sitting time and cardiometabolic risk in U.S. adults, NHANES 2007-2010. *British Journal of Sports Medicine*. (Submitted for review on October 15, 2012).

Harrington D.M., **T.V. Barreira**, A.E. Staiano, P.T. Katzmarzyk. The descriptive epidemiology of sitting among US adults, NHANES 2009/2010. *Journal of Science and Medicine in Sport*. (Submitted for review on March 22, 2013).

III. RESEARCH: PRESENTATIONS

A. Refereed Presentations with Abstracts Published in Academic Journals

Barreira, T. V., Schuna, J.M.Jr., Tudor-Locke, C., Katzmarzyk, P. T., (May, 2013). Moderate-to-vigorous physical activity thresholds associated with metabolic syndrome risk factors. To be presented at the 60th ACSM Annual Meeting, Indianapolis, IN.

Barreira, T. V., Harrington, D.M., & Katzmarzyk, P. T. (March, 2013). Accelerometer measured physical activity differs based on ideal cardiovascular health level: NHANES 2003-2006. To be presented at the Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism 2013 Scientific Sessions, New Orleans, LA.

Tudor-Locke, C., Schuna, J.M.Jr., **Barreira, T. V.**, Mire, E.F., Broyles, S.T., Katzmarzyk, P. T., & Johnson, W.D. (March, 2013). Normative Accelerometer-determined Steps/day from 6-85 Years of Age: NHANES 2005-2006. To be presented at the Epidemiology and Prevention/Nutrition, Physical Activity and Metabolism 2013 Scientific Sessions, New Orleans, LA.

Barreira T. V., P.T. Katzmarzyk, W.D. Johnson, & C. Tudor-Locke. (October, 2012) Peak cadence indicators and cardiovascular disease risk factors in children and adolescents. Presented at the International Congress on Physical Activity and Public Health, Sydney, Australia. *Journal of Science and Medicine in Sport*, 15(S1), S93-S94.

Barreira T. V., S.T. Broyles, A.K. Gupta, & P.T. Katzmarzyk. (October, 2012) The relationship between waist circumference and abdominal and total body fat in children and adolescents: Sex and race differences. Presented at the International Congress on Physical Activity and Public Health, Sydney, Australia. *Journal of Science and Medicine in Sport*, 15(S1), S273-S274.

Barreira T. V., R.M. Brouillette, H.C. Foil, J.N. Keller, & Tudor-Locke. (October, 2012) Comparison of older adults' steps/day using nl-1000 pedometer and two GT3X+ accelerometer filters. Presented at the International Congress on Physical Activity and Public Health, Sydney, Australia. *Journal of Science and Medicine in Sport*, 15(S1), S293.

Barreira T. V., J. Rood, C. Martin, & P.T. Katzmarzyk. (October, 2012) Relationship between physical activity related energy expenditure and cardiovascular disease factors among

adults. Presented at the International Congress on Physical Activity and Public Health, Sydney, Australia. *Journal of Science and Medicine in Sport*, 15(S1), S230-S231.

Rowe, D.A., Kang, M., Sutherland, R., Holbrook, E.A., **Barreira, T.V.**, & Watson, M. (June, 2012). Evaluation of inactive adults' ability to maintain a moderate-intensity walking pace. Presented at the 59th ACSM Annual Meeting, San Francisco, CA. *Medicine and Science in Sports and Exercise*, 44(5), 696.

Barreira, T. V., Tudor-Locke, C., Johnson, W. D., & Katzmarzyk, P. T. (March, 2012). Stepping patterns of children and adolescents in the 2005-2006 NHANES. Presented at the AAHPERD National Convention, Boston, Massachusetts. *Research Quarterly for Exercise and Sport*, 83(S1), A69.

Barreira, T.V., Harrington, D., Staiano, A. E., Heymsfield, S. B., Gimble, J. M., & Katzmarzyk, P. T. (October, 2011). Bone mineral density and depot-specific adiposity in white and African American adults. Presented at the Annual Meetings of the Obesity Society, Orlando, Florida. *Obesity*, 19(n1s), S236.

Barreira, T.V., Tudor-Locke, C., Champagne, C., Broyles, S.T., Harsha, D., Kennedy, B. M., et al. (June, 2011). Comparison of Yamax pedometer and GT3X accelerometer steps in a free-living sample. Presented at the 58th ACSM Annual Meeting, Denver, Colorado. *Medicine and Science in Sports and Exercise*, 43(5), 696.

Barreira, T. V., Kang, M., Brinthaup, T. M., Owusu, A., Weatherby, N. L., & Hart, P. D. (June, 2011). Quantitative analysis of the 2008 Physical Activity Guidelines for Americans. Presented at the World Congress on Exercise is Medicine, Denver, Colorado. *Medicine and Science in Sports and Exercise*, 43(5), 343.

Tseh, W., **Barreira, T. V.**, & Leedy, A. M. (June, 2011). Validation of the Bod Pod® self-testing body composition tracking system in adult males and females. Presented at the 58th ACSM Annual Meeting, Denver, Colorado. *Medicine and Science in Sports and Exercise*, 43(5), 319.

Hart, P. D., **Barreira, T. V.**, & Kang, M. (March, 2011). Physical inactivity time and risk of CVD among U.S. children. Presented at the AAHPERD National Convention, San Diego, California. *Research Quarterly for Exercise and Sport*, 82(S1), A59.

Kang, M. Hart, P. D., & **Barreira, T. V.**, (March, 2011). Physical inactivity time and risk of metabolic syndrome. Presented at the AAHPERD National Convention, San Diego, California. *Research Quarterly for Exercise and Sport*, 83(S1), A60.

Hart, P. D., **Barreira, T. V.**, & Kang, M. (June, 2010). Accelerometer-determined physical activity and cardiovascular disease risk factors among U.S. adults. Presented at the 57th ACSM Annual Meeting, Baltimore, Maryland. *Medicine and Science in Sports and Exercise*, 42(5), 251.

- Kang, M., **Barreira, T. V.**, Holbrook, E. A., & Rowe, D. A. (June, 2010). Effect of different epoch lengths on activity counts using the Actigraph GT1M accelerometer. Presented at the 57th ACSM Annual Meeting, Baltimore, Maryland. *Medicine and Science in Sports and Exercise*, 42(5), 482.
- Herrmann, S. D., **Barreira T. V.**, Kang, M., & Ainsworth, B.E. (June, 2010) How many hours is enough? Optimal accelerometer wear time to reflect daily physical activity. Presented at the World Congress on Exercise is Medicine, Baltimore, Maryland. *Medicine and Science in Sports and Exercise*, 42(5), 485.
- Hart, P. D., **Barreira, T. V.**, & Kang, M. (June, 2010). Muscle strengthening activities and health-related quality of life among U.S. adults. Presented at the World Congress on Exercise is Medicine, Baltimore, Maryland. *Medicine and Science in Sports and Exercise*, 42(5), 349-350.
- Barreira, T. V.**, Bennett, J. P., Sidman, C., & Kang, M., (March, 2010). Validity of pedometers to measure step counts during dance. Presented at the AAHPERD National Convention, Indianapolis, Indiana. *Research Quarterly for Exercise and Sport*, 81(S1), A32.
- Barreira, T. V.**, Ragan B.G., Basset, D. R., Tudor-Locke, C. & Kang, M. (May 2009). Impact of season on step-count reliability: A Generalizability theory approach. Presented at the 56th ACSM Annual Meeting, Seattle, Washington. *Medicine and Science in Sports and Exercise*, 41(5), 352-353.
- Kang, M., Basset, D. R., Tudor-Locke, C., **Barreira, T. V.**, & Ainsworth, B. (May 2009). Validity of habitual physical activity: Effects of seasonal and monthly variability on measurement of pedometer data. Paper presented at the 56th ACSM Annual Meeting, Seattle, Washington. *Medicine and Science in Sports and Exercise*, 41(5), 353-354.
- Barreira, T. V.**, Holbrook, E. A., Parson, C., & Kang, M. (April, 2009). Relationship between objectively measured physical activity and chronic stress level. Presented at the AAHPERD National Convention, Tampa, Florida. *Research Quarterly for Exercise and Sport*, 80(S1), A40.
- Holbrook, E. A., **Barreira, T. V.**, Emison, K., & Kang, M. (April, 2009). Assessing the comprehensibility of physical activity intensity cues. Presented at the AAHPERD National Convention, Tampa, Florida. *Research Quarterly for Exercise and Sport*, 80(S1), A40.
- Holbrook, E. A., **Barreira, T. V.**, Parson, C., & Kang, M. (April, 2009). Influence of activity log on a goal-based walking program. Presented at the AAHPERD National Convention, Tampa, Florida. *Research Quarterly for Exercise and Sport*, 80(S1), A40.
- Barreira, T. V.**, Otto, S., Holbrook, E. A., & Kang, M. (May 2008). Handling children's pedometer missing data: An individual information-centered replacement approach. Paper presented at the 55th ACSM Annual Meeting, Indianapolis, Indiana. *Medicine and Science in Sports and Exercise*, 40(5), S201.

Basset, D. R., Kang, M., Tudor-Locke, C. & **Barreira, T. V.** (May 2008). How many days of pedometer monitoring? Consecutive versus random days of data collection. Paper presented at the 55th ACSM Annual Meeting, Indianapolis, Indiana. *Medicine and Science in Sports and Exercise*, 40(5), S203.

Kang, M., Basset, D. R., Tudor-Locke, C. & **Barreira, T. V.** (May 2008). Validity of habitual physical activity: A study of 365 days of pedometer monitoring. Paper presented at the 55th ACSM Annual Meeting, Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 40(5), S212.

Barreira, T. V., Kang, M., Davis, K. L., & Binkley, H. (April, 2008) Assessing reliability of medicine ball throw using generalizability theory. Presented at the AAHPERD National Convention, Fort Worth, Texas. *Research Quarterly for Exercise and Sport*, 79(S1), A32.

Kang, M., Rowe, D. A., **Barreira, T. V.**, Robinson, T. S., Kemble, C. D., & Mahar M. T. (April, 2008) Cross-validation of individual information-centered method for handling step count missing data. Presented at the AAHPERD National Convention, Fort Worth, Texas. *Research Quarterly for Exercise and Sport*, 79(S1), A34.

Barreira, T. V., Kang, M., Caputo, J. L., Farley, R. S., Bettel, J. M., & Renfrow, M. S. (May, 2007). Validation of the RT3 monitor to estimate energy expenditure. Paper presented at the ACSM National Conference, New Orleans, Louisiana. *Medicine and Science in Sports and Exercise*. 39(5), S181.

Bettel, J. M., Kang, M., Caputo, J. L., Farley, R. S., Renfrow, M. S., & **Barreira, T. V.** (May, 2007). Evidence for convergent validity for the Actiheart monitor in a free-living setting. Paper presented at the 54th ACSM Annual Meeting, New Orleans, Louisiana. *Medicine and Science in Sports and Exercise*, 39(5), S177.

Kang, M., Caputo, J. L., Farley, R. S., **Barreira, T. V.**, Bettel, J. M., & Renfrow, M. S. (May, 2007). Validation of the Actiheart monitor in the laboratory setting. Paper presented at the 54th ACSM Annual Meeting, New Orleans, Louisiana. *Medicine and Science in Sports and Exercise*, 39(5), S180.

Owusu, A., Kang, M., **Barreira, T. V.**, & Weatherby, N. L. (May, 2007). Reliability of performance score: Addressing the ideal number of attempts during Triple Jump Competition. Paper presented at the 54th ACSM Annual Meeting, New Orleans, Louisiana. *Medicine and Science in Sports and Exercise*, 39(5), S211-S212.

B. Refereed Presentations with Abstracts Published in Conference Proceedings

Renfrow, MS., **Barreira, TV.**, Tseh, W., & Kang, M. (March, 2012). Concurrent validity of 7-site skinfold measurements taken by exercise science students. Presented at the 12th Measurement and Evaluation Symposium, Boston, Massachusetts.

- Barreira, T. V.**, Tudor-Locke, C., Kang, M., Johnson, W., & Katzmarzyk, P.T. (March, 2012). Reliability and correlation attenuation in physical activity measurement. Presented at the 12th Measurement and Evaluation Symposium, Boston, Massachusetts.
- Barreira, T.V.**, Tudor-Locke, C., Champagne, C., Broyles, S.T., Harsha, D., Kennedy, B. M., et al. (May, 2011). Patterns of change in daily step count, where does the change happen? Presented at the 2nd International Conference on Ambulatory Monitoring of Physical Activity and Movement, Glasgow, Scotland.
- Leedy, A. M., Tseh, W., & **Barreira, T. V.** (March, 2011). Validation of the Bod Pod® self-testing body composition tracking system in adult males and females. Presented at the National Conference of Undergraduate Research in Ithaca, NY.
- Walsh, T., Tseh, W., & **Barreira, T. V.** (March, 2011). Comparison of percent body fat between body mass index prediction equation against dual energy x-ray absorptiometry amongst a young adult, athletic population. Presented at the National Conference of Undergraduate Research in Ithaca, NY.
- Johnson, E., Poff, C., Tseh, W., & **Barreira, T. V.** (March, 2011). Validation of the Bod Pod® self-testing body composition tracking system in college athletes. Presented at the National Conference of Undergraduate Research in Ithaca, NY.
- Barreira, T. V.**, Hart, P. D., Holbrook, E. A., & Kang, M. (May, 2010). The effect of supervised aerobic exercise on BMI, VO₂max, and resting blood pressure: A meta-analysis. Presented at the 3rd International Congress on Physical Activity and Public Health, Toronto, Canada.
- Hart, P. D., Owusu, A., **Barreira, T. V.**, & Kang, M. (May, 2010). Recommended levels of physical activity, tobacco, alcohol, and drug use among adolescents in Ghana. Presented at the 3rd International Congress on Physical Activity and Public Health, Toronto, Canada.
- Kang, M., **Barreira, T. V.**, & Hart, P. D. (May, 2010). Exploratory analysis of the 3DPAR category functions. Presented at the 3rd International Congress on Physical Activity and Public Health, Toronto, Canada.
- Hart, P. D., **Barreira, T. V.**, & Kang, M. (November, 2009). Correlates and predictors of physical inactivity among Tennessee adults. Presented at the TAHPERD Convention, Murfreesboro, Tennessee.
- Barreira, T. V.**, Rowe, D. A., & Kang, M. (November, 2009). Parameters of walking and jogging in healthy young adults. Presented at the TAHPERD Convention, Murfreesboro, Tennessee.

- Barreira, T. V.,** Holbrook, E. A., & Kang, M. (February, 2009). Validity and reliability evidence of Omron pedometers. Presented at the SEACSM Annual Meeting, Birmingham, Alabama.
- Columna, L., Velez, L., Garcia, C., Garcia, L., **Barreira, T. V.,** Ayim, E., & Hetland, K. M. (April, 2008). Multicultural learning through physical education. Presented at the AAHPERD National Convention, Fort Worth, Texas.
- Barreira, T. V.,** Otto, S., Holbrook, E. A., & Kang, M. (February, 2008). Individual information-centered approach for handling children pedometer missing data. Presented at the SEACSM Annual Meeting, Birmingham, Alabama.
- Kang, M., Marshall, S. J., **Barreira, T. V.,** & Lee, J. (October, 2007). Effect of pedometer-based physical activity intervention: a meta-analysis. Presented at the Diversity in Physical Activity and Health: Measurement and Research Issues and Challenges Conference, Dallas, Texas.
- Barreira, T. V.,** Kang, M., Rowe, D. A., Robinson, T. S., Kemble, C.D., & Mahar, M. T. (October, 2007). Validation of an individual information-centered method for handling accelerometer missing data. Presented at the Diversity in Physical Activity and Health: Measurement and Research Issues and Challenges Conference, Dallas, Texas.
- Barreira, T. V.,** Owusu, A., Kang, M., & Weatherby, N. L. (April, 2007). Reliability of performance score: Addressing the ideal number of attempts during triple jump competition. Paper presented at the Middle Tennessee State University Scholars Week (p.49), Murfreesboro, Tennessee.
- Barreira, T. V.,** Kang, M., Colclough, S., & Weatherby, N. L. (April, 2007). Assessing reliability of golf scores using generalizability theory. Presented at the Middle Tennessee State University Scholars Week (p.48), Murfreesboro, Tennessee.
- Barreira, T. V.,** Kang, M., Caputo, J. L., Farley, R. S., Bettel, J. M., & Renfrow, M. S. (February, 2007). Validation of the RT3 monitor to estimate energy expenditure. Oral presentation, presented at the SEACSM Annual Meeting (p. 46), Charlotte, North Carolina.
- Renfrow, M. S., Kang, M., Caputo, J. L., Farley, R. S., **Barreira, T. V.,** & Bettel, J. M. (February, 2007). Validation of heart rate and energy expenditure in the Actiheart monitor in a free-living setting. Presented at the SEACSM Annual Meeting (p. 35), Charlotte, North Carolina.
- Kang, M., & **Barreira, T. V.** (August, 2006). Accuracy of physical activity intensity classifications of the Actiheart monitor. *Educating Sport and Exercise Professionals: Current Approaches and Future Tasks*. Paper presented at the 2006 International Sport Science Congress (p. 378), Yongin, Korea: KAHPERD.

Bennett, J.P., **Barreira, T. V.**, Biggs, K., & Corbin, A. (2003). "Appalachian Big Set: 'Real' American Folk Dance to Country Western Dances of Today!" Proceeding for the National Dance Association from the 2003 AAHPERD National Convention. Philadelphia, Pennsylvania.

C. Presentations with no Abstracts (e.g., invited presentation, symposium)

Barreira, T. V., & Kang, M. (October ,2006). Accuracy of physical activity intensity classifications of the Actiheart monitor. Paper presented at the 2006 AAHPERD Graduate Student Leadership Conference, Reston, Virginia.

V. SERVICE

- Member of the review panel for the research presentation of the Measurement and Evaluation Council of the AAPAR of the AAHPERD Convention Program, 2012.
- Member of the review panel for the research presentation of TAHPERD Convention Program, 2009.
- Member of the Physical Activity Measurement and Surveillance Council of the International Society for Physical Activity and Health, 2010-Present.
- Advisory Committee member of the Measurement and Evaluation Council of the AAPAR of the AAHPERD 2009-Present
- AAHPERD Student Service Committee from 2007-2008.
- Student representative at the 2008 AAHPERD Assembly, Fort Worth, TX,.
- Staff member at the 2007 AAHPERD Undergraduate Student Leadership Conference at Estes Park, Colorado.
- Writer for the AAHPERD monthly newsletter Update.
- Measurement and Statistical Senior-Consultant at the Kinesmetrics Laboratory at MTSU, 2008-2010.
- Founder and Past-President of the Kinesmetrics Club at MTSU.
- Founder and Past-President of the Triathlon Club at MTSU.
- Past Vice-President of the Eta Sigma Pi Club (health and human performance major's club).