

Erin Kaye Howie

Assistant Professor of Exercise Science
Department of Health, Human Performance, & Recreation
University of Arkansas
308I HPER Building | Fayetteville, AR 72701
Phone: +1 479-575-2910 | Email: ekhowie@uark.edu

Adjunct Research Fellow
School of Physiotherapy and Exercise Science
Curtin University
Perth, Australia

EXECUTIVE SUMMARY

- Experience in completing nationally competitive grant applications for both National Institute of Health (US) and National Health and Medical Research Council (Australia)
- Presented at 10+ international conferences
- Experience teaching at the undergraduate level and student supervision of undergraduate (3) and postgraduate (3) students
- Professional and community service including member of the International Society for Physical Activity and Health's Communications Committee

PERSONAL STATEMENT

My research focus is the promotion and measurement of physical activity in children including:

- Physical activity interventions in children, particularly community capacity building
- Implementation analysis and dissemination of child physical activity interventions
- Effects of chronic and acute physical activity on educational outcomes
- The influence of mobile technology on children's activity, movement, and behavior

My research approach includes:

- **Interdisciplinary collaboration-** I have formal NIH-sponsored multi-disciplinary training (T32) and continue to develop interdisciplinary and international collaborations.
- **Breadth of research involvement across study stages and study types-** My international research experience covers a breadth of research phases: study design, resource obtainment, protocol development, intervention implementation, process and outcome evaluation, statistical analysis, and dissemination. It includes laboratory, field, intervention, and longitudinal epidemiological studies.
- **Diverse populations studied-** I have worked on interventions among diverse populations including, preschool-age children, primary school children and adolescents; clinical populations including children with developmental coordination disorder, childhood cancer survivors, and adults with intellectual disabilities; a range of demographics including urban and rural, African-American, and lower SES populations.
- **Expertise in research skills-** I have experience with diverse and novel measurement of physical activity including Actical, Actigraph, Geneactiv, Activpal, wearable cameras, direct observation and questionnaires. I have qualitative and quantitative training to independently conduct sophisticated statistical modeling techniques including longitudinal, mixed, structural equation, latent class analysis using Stata, SAS, SPSS, LISREL, and Latent Gold.

EDUCATION

- 2013 Ph.D., Exercise Science, Health Aspects of Physical Activity
University of South Carolina, Columbia, South Carolina, USA
Advisor, Russell R Pate
Dissertation: *Classroom exercise breaks and educational outcomes in elementary school students*
- 2008 B.S. (with high honors), Kinesiology, *summa cum laude*
University of Maryland, College Park, Maryland, USA
University Honors & Department of Kinesiology Honors Program
Supervisor, Deborah Rohm Young

PROFESSIONAL EXPERIENCE

- 2016-present Assistant Professor
University of Arkansas
Department of Health, Human Performance, and Recreation
- 2016-present Adjunct Research Fellow
Curtin University (Perth, Australia)
School of Physiotherapy and Exercise Science
- 2013-2016 Postdoctoral Research Fellow
Curtin University (Perth, Australia), PI Leon Straker
Accelerometer data processing and analysis for Curtin University's Activity, Food, and Attitudes Program, Electronic Games Study, and a birth cohort (Raine Study). Accelerometer processing and physical activity analysis for multiple studies. Experience with Actigraph, Actical, Geneactiv, Activpal, and SenseCam and statistical experience with mixed models and latent class analysis.
- 2010-2013 Research Assistant
University of South Carolina, PI Russell R. Pate
Children's Physical Activity Research Group
Tasks include data collection, data analysis, manuscript and grant writing for National Institutes of Health grants. Experience included direct observation, process evaluation, and qualitative analysis.
- 2008-2013 Research Trainee
NIH-T32 Fellow, PI Ron Prinz
Biomedical-Behavioral Interface: Prevention and Developmental Sciences Lab
Rotations completed in Family and Preventive Medicine, Health Sciences Research Core and Cognitive Neuroscience. Coursework completed in genetics, neuroscience and endocrinology. Research experience with multiple populations including adults with intellectual disabilities, introduction to fMRI and transcranial direct current stimulation, and survey development.
- 2008-2012 Intervention staff
University of South Carolina, PI Russell Pate
Study of Health and Physical Activity in Preschool Environments, National Institutes of Health [5R01HD055451]

Collaborative intervention development and implementation for a flexible and adaptive physical activity intervention with preschool classes. Developed materials, conducted workshops and site visits, and involved in final evaluation.

- 2008 Honors Research Thesis
University of Maryland
Honors Research Grant, G.R.I.P. Grant, *mentor* Dr. Deborah Young
Independent physical activity intervention within a college population to increase residential stair use. Designed, implemented, collected and analyzed data.

AWARDS AND HONORS

- 2016 American Heart Association's council on Lifestyle and Cardiometabolic Health
Physical Activity Research Course Scholarship recipient
- 2015 National Health and Medical Research Council of Australia Early Career
Observer, nominated Curtin University delegate
- 2014 Invited to write sedentary paper with the Research Working Group for Active
Health Kids Australia Report Card
- 2013 Arnold School of Public Health Doctoral Achievement Award
- 2013 Delta Omega Honorary Society in Public Health
- 2013 Completed Preparing Future Faculty Program
- 2006 Phi Alpha Epsilon, School of Public Health Honor Society

PEER-REVIEWED PUBLICATIONS

**student papers for which I served in a supervisory role*

In press

1. **Howie EK**, McManus A, Smith KL, Fenner AA, Straker LM. The practical lessons learned from adolescent and parent experiences immediately and 12 months following a family-based healthy lifestyle intervention. *Childhood Obesity* (epub Jul 8 2016)
2. **Howie EK**, McVeigh JA, Straker LM. Comparison of compliance and agreement of hip and wrist accelerometers in children. *Journal of Physical Activity & Health* (epub May 11, 2016, Accepted March 23, 2016)

2016

1. *Fenner AA, Davis MC, **Howie EK**, Straker LM. Relationships among obese adolescent and parent psychosocial outcomes and changes in psychosocial outcomes during a family-based lifestyle intervention. *Health and Quality of Life Outcomes*. 2016. Jul 7; 14:100.
2. **Howie EK**, McVeigh JA, Smith AJ, Straker LM. Organized sport trajectories from childhood to adolescence and health associations. *Medicine & Science in Sports & Exercise*. 2016; 48(7): 1331-9.
3. **Howie EK**, Brewer AE, Brown BB, Saunders RS, Pate RR. Systematic dissemination of a preschool physical activity intervention to the control preschools. *Evaluation and Program Planning*. 2016;57:1-7.
4. McVeigh JA, Smith A, **Howie EK**, Straker LM. Distinct patterns of television watching from childhood to early adulthood and their association with body composition and mental health outcomes in young adults. *Plos One*. 2016;11:e0152879
5. McVeigh JA, Winkler EAH, **Howie EK**, Tremblay MS, Smith A, Abbott RA, Eastwood P, Healy GN, Straker LM. Objectively measured patterns of sedentary time and physical

activity in young adults of the Raine Study cohort. *International Journal of Behavioral Nutrition and Physical Activity*. 2016;13:41.

6. *Fenner AA, **Howie EK**, Hagger MS, Straker LM. exploration of the mechanisms of change in constructs from self-determination theory and quality of life during a multi-disciplinary family-based intervention for overweight adolescents. *Journal of Sport & Exercise Psychology*. 2016;38:56-68.
7. Straker LM, **Howie EK**, Cliff DP, Davern MT, Engelen L, Gomersall SR, Ziviani J, Olds TS, Schranz NK, Tomkinson GR. Nations are failing to meet sedentary behaviour guidelines for children: Implications and a way forward. *Journal of Physical Activity & Health*. 2016;13:177-88.
8. **Howie EK**, Straker LM. Rates of attrition, non-compliance and missingness in randomized controlled trials of child physical activity interventions using accelerometers: a brief methodological review. *Journal of Science and Medicine in Sport*. Epub ahead of print 28 Jan 2016 DOI: <http://dx.doi.org/10.1016/j.jsams.2015.12.520>
9. Pate RR, Brown WH, Peiffer KA, **Howie EK**, Saunders RP, Addy C, Dowda M. An ecological intervention to increase physical activity in 4-year-old children: A randomized controlled trial in preschools. *American Journal of Preventive Medicine*. epub ahead of print 2016 Jan 20. doi: 10.1016/j.amepre.2015.12.003
10. De Oliveira B, **Howie EK**, Dunlop S, Galea M, McManus A, Allison G. SCIPA Com Part 1: Outcomes from the Spinal Cord Injury and Physical Activity in the Community intervention. *Spinal Cord*. Epub ahead of print 2016 Jan 19. doi: 10.1038/sc.2015.235
11. **Howie EK**, Saunders RS, Pate RR. A tale of two teachers: A preschool physical activity intervention case study. *Journal of School Health*. 2016.86:22-30.
12. **Howie EK**, Campbell A, Straker LM et al. An active video game intervention does not improve physical activity and sedentary time of children with developmental coordination disorder: a crossover randomized trial. *Child: Health, Care, Development*. 2016;42(2):253-260.

2015

13. **Howie EK**, Olds TS, McVeigh J, Abbott RS, Straker LM. It's a-bout time: Detailed patterns of physical activity in obese adolescents participating in a lifestyle intervention. *Journal of Physical Activity & Health*. 2015;12:1453-60.
14. **Howie EK**, McVeigh J, Abbott RS, Olds TS, Straker LM. Multiple components of fitness improved among overweight and obese adolescents following a community-based, lifestyle intervention. *Journal of Sports Sciences*. 2015;11:1-7.
15. *Smith KL, Kerr DA, **Howie EK**, Straker LM. Do overweight adolescents adhere to dietary intervention messages? Twelve month detailed dietary outcomes from Curtin University's Activity, Food, and Attitudes Program. *Nutrients*. 2015;7:4363-82.
16. Straker LM, Hall GL, Mountain J, **Howie EK**, White E, McArdle N, Eastwood PR, and the Raine Study 22 year follow-up investigator group. Rationale, design and methods for the 22 year follow-up of the Western Australian Pregnancy (Raine) Study Cohort. *BMC Public Health*. 2015;15:663.
17. Straker LM, **Howie EK**, Smith A, Jensen L., Piek J, Campbell A. A crossover randomized and controlled trial of the impact of active electronic games on motor coordination and perceptions of physical ability in children with developmental coordination disorder. *Human Movement Science*. 2015;42:146-60.
18. **Howie EK**, Schatz J, Pate RR. Acute effects of classroom exercise breaks on executive functions and math performance in elementary school students: A dose-response. *Res Q Exerc Sport*. 2015; May 26: 1-8.

2014

19. Straker LM, **Howie EK**, Smith KL, Fenner AA, Kerr DA, Olds TS, Abbott RA, Smith AJ. Curtin University's Activity, Food and Attitudes Program improves physical activity, sedentary time and healthy eating among overweight and obese adolescents: A waitlist controlled trial. *Plos One*. 2014;9:e111954.
20. Straker LM, **Howie EK**, Fenner AA, Barnett LM, Feltz DL, Cray CM, Lu AS, Mueller F, Simons M. Efficient and effective change principles in Active Video Games. *Games for Health*. 2014;4:43-52.
21. *Bufton A, Campbell A, **Howie EK**, Straker LM. A comparison of the upper limb movement kinematics utilized by children playing virtual and real table tennis. *Human Movement Science*. 2014;38:84-93.
22. Abbott RA, Smith A, Pollock C, **Howie EK**, Straker LM. Effects of home access to active video games on child self-esteem, enjoyment of physical activity and anxiety related to electronic games: results from a randomised controlled trial. *Games for Health*. 2014;3: 260-266.
23. **Howie EK**, Newman-Norlund RD, Pate RR. Smiles count but minutes matter: Response to classroom exercise breaks. *American Journal of Health Behavior*. 2014;38:681-689.
24. **Howie EK**, Beets MW, Pate RR. Acute classroom exercise breaks improve on-task behavior in 4th and 5th grade students. *Mental Health & Physical Activity*. 2014;7:65-71.
25. **Howie EK**, Brewer AE, Brown WH, Pfeiffer KA, Saunders RS, Pate RR. The three-year evolution of a preschool physical activity intervention through a collaborative partnership between research interventionists and preschool teachers. *Health Education Research*. 2014;29:491-502.
26. **Howie EK**, Stevick D. The "ins" and "outs" of physical activity policy implementation: Inadequate capacity, inappropriate outcome measures, and insufficient funds and enforcement. *Journal of School Health*. 2014;84: 581-585.

2013

27. Pate RR, O'Neill JR, Brown WH, McIver KL, **Howie EK**, Dowda M. Top 10 research questions related to physical activity in preschool children. *Res Q Exerc Sport*. 2013;84:448-55.
28. **Howie EK**, Pate RR. Classroom exercise breaks in central South Carolina: "It's not a well-oiled machine" but "Kids are happy and productive". *Teacher Educ J South Carolina*. 2013:79-89.
29. **Howie EK**, Brown WH, Dowda M, McIver KL, Pate RR. Physical activity behaviors of highly active preschoolers. *Pediatric Obesity*. 2013;8:142-149.
30. Barnes TL, **Howie EK**, McDermott S, Mann JR. Activity and obesity in a large sample of adults with intellectual disabilities. *Journal of Physical Activity & Health*. 2013;10:1048-1056.

2012

31. **Howie EK**, Pate RR. Physical activity and academic achievement in children: A historical perspective. *Journal of Sport and Health Science*. 2012;1:160-169.
32. **Howie EK**, Barnes TL, McDermott S, Mann JR, Clarkson J, Meriwether RA. Availability of physical activity resources in the environment for adults with intellectual disabilities. *Disability and Health Journal*. 2012;5:41-48.

2011

33. **Howie EK**, Sui X, Lee DC, Hooker, SP, Hebert JR, Blair SN. Alcohol consumption and risk of all-cause and cardiovascular disease mortality in men. *Journal of Aging Research*. 2011. doi: 10.4061/2011/805062
34. **Howie EK**, Young DR. Step It Up: A multi-component intervention to increase stair use in a university residence building. *American Journal of Health Promotion*. 2011;26(1):2-5.

Letters to the editor

1. Straker LM, **Howie EK**. Young children and screen time: It's time to consider healthy bodies as well as healthy minds. *Journal of Developmental & Behavioral Pediatrics*. Epub ahead of print 2016 Jan 27.
2. **Howie EK**. Physical Activity and Academics. Letter to the Editor. *Journal of Pediatrics*. 2010;157:867-868.

Under Review

1. **Howie EK**, Campbell A, Straker LM et al. Failure of an active video game intervention to improve motor skill and physical activity in children with developmental coordination disorder: A quantity or quality issue?. *Res Dev Dis* (In Revision, submitted March 29, 2016)
2. **Howie EK**, Coenen P, Campbell AC, Ranelli S, Straker LM. Body postures, muscle activity and physical activity of 3 to 5 year-old children during tablet computer use compared to television watching and toy play. *Applied Ergonomics* (Submitted May 13, 2016)
3. Saunders RP, Pfeiffer K, Brown WH, **Howie EK**, Dowda M, O'Neill J, Mclver K, Pate R. Conceptualizing a physical activity-promoting preschool environment in the Study of Health and Activity in Preschool Environments (SHAPES). *Health Education & Behaviour* (In Revision, Submitted April 6, 2016)
4. Morris S, Ng L, **Howie EK**, Tan KBJ, Rhodes R, Tan T, Williams S. Validation of touch-screen technology to assess stretch-shortening cycle function. *Journal of Sport Sciences*. (Submitted July 12, 2016).
5. Dowda M, **Howie EK**, Saunders RS, Pfeiffer KA, O'Neill J, Pate RR. Influences of parent support on physical activity of preschool children. *Measurement in Physical Education and Exercise Science*.
6. Straker LM, **Howie EK**. Schools, health and productivity in *Ergonomics Design for Healthy and Productive Workplaces* Ed A. Hedge, Taylor and Francis. (In production)

GRANT EXPERIENCE

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|------|--|
| 2016 | Healthway Exploratory Grant
Co-investigator (CIB), PI Leon Straker, \$AUD 69,993 (funded)
<i>Smart Start: a program for healthy mobile technology use by young children</i> |
| 2016 | Healthway Intervention Grant
Co-investigator (CIB), PI Jane Scott, \$AUD 386,711 (submitted)
<i>The PIRATE (Preschooler Intervention to pRomote AcTivity and healthy Eating) RCT</i> |
| 2016 | Healthway Exploratory Grant
Co-investigator (CID), PI Graham Hall, \$AUD 74,687 (unfunded)
<i>Physical activity to improve lung health in preterm children</i> |
| 2015 | National Health and Medical Research Council of Australia , Project Grant.
Co-investigator, PI Leon Straker, \$AUD 752,585 (unfunded)
<i>Mobile technology and immobile children.</i> |
| 2015 | National Health and Medical Research Council of Australia , Project Grant.
Co-investigator, PI Graham Hall, \$AUD 899,760 (unfunded) |

Randomised trial of physical activity intervention to improve respiratory outcomes in preterm children.

- 2014 **Department of Physiotherapy and Exercise Science, Curtin University**, Early Career Research Grant.
Primary Investigator, **\$AUD 6,773 (Funded)**
iMove, iPlay: The physical implications of tablet computer use by young children.
- 2014 **National Health and Medical Research Council of Australia**, Project Grant.
Associate Investigator, PI Leon Straker, \$AUD 639,210 (unfunded).
Children, tablet computers and musculoskeletal risk.
- 2014 **Healthway**, Health Promotion Research Grant.
Co-Investigator, PI Leon Straker, \$AUD 29,971 (unfunded).
iMove, iLearn: Innovative strategies to improve student physical activity.
- 2014 **Australian Research Council**, Discovery Early Career Research Award.
Primary Investigator, \$AUD 125,000 (unfunded)
iMobile technology and immobile students: The context and consequences of mobile learning technology in primary school schools.
- 2013 **National Institutes of Health**. F32 Postdoctoral Research Fellowship.
Primary Investigator, (unfunded)
Implementation of a participatory health behavior intervention in rural youth.
- 2013 **The Duke Endowment**
Expert consultant, PI Russell Pate, **\$556,030 (Funded)**
A training program to prevent childhood obesity in preschool-aged children.
- 2012 **National Institutes of Health**, R21.
Research Associate (grant writer), PI Russell Pate, \$398,750 (unfunded)
Classroom exercise effects on executive function and academics in Title 1 schools.
- 2011 **American College of Sports Medicine**, Doctoral Research Grant.
Primary Investigator, **\$5,000 (Funded)**
Cognitive function response in children to acute physical activity in the classroom.
- 2008 **School of Public Health, U. of Maryland**, Graduate Research Initiative Project.
Primary Investigator, **\$280 (Funded)**.
- 2008 **University of Maryland**, Honors Research Grant.
Primary Investigator, **\$500 (Funded)**.

SCIENTIFIC PRESENTATIONS

- 2016 **Howie EK**, McVeigh JA, Smith AJ, Straker LM. Organized sport trajectories from early childhood to late adolescence and their associations with health in young adulthood. International Society of Behavioral Nutrition and Physical Activity Conference. (June 2016). Cape Town, South Africa.

- 2016 **Howie EK**, Smith AJ, McVeigh JA, Healy GN, Straker LM. Activity clusters and mental health in young adults. International Society of Behavioral Nutrition and Physical Activity Conference. (June 2016). Cape Town, South Africa.
- 2015 **Howie EK**, Straker LM. Similar compliance but different results: Comparison of hip- and wrist-worn Actical accelerometers during a randomised crossover trial of an active video game intervention in children. International Conference on Dietary and Activity Assessment. (September 2015). Brisbane, Australia.
- 2015 **Howie EK**, McVeigh JA, Straker LM. How many are we missing? Attrition and non-compliance in randomized controlled trials using accelerometers to measure children's physical activity. International Conference on Dietary and Activity Assessment. (September 2015). Brisbane, Australia.
- 2015 **Howie EK**, Campbell A, Straker LM. Delving into the gap: A process evaluation to explain why a home-based active video games intervention didn't translate into physically active children. Australasian Society for Behavioural Health and Medicine Annual Scientific Meeting. (February 2015). Perth, Western Australia.
- 2104 **Howie EK**, Ranelli S, Straker LM. iMobile technology and immobile students: How mobile learning technology is changing the primary school classroom physical environment. National Physical Activity Conference. (2014, October). Canberra, Australia
- 2014 **Howie EK**, Straker LM, Beets MW, Schatz J, Pate RR. Minutes count: Determining the dose response of classroom exercise breaks on acute educational outcomes in primary school students. National Physical Activity Conference. (2014, October). Canberra, Australia.
- 2014 **Howie EK**, Smith KL, Fenner AA, Olds TS, Abbott RS, Straker LM. Change takes time: A community-based and family-centred lifestyle intervention improved physical activity in overweight adolescents after 6-months. *International Congress on Physical Activity and Public Health*. (2014, April). Rio de Janeiro, Brazil.
- 2014 **Howie EK**, Smith KL, Fenner AA, Olds TS, Abbott RA, Straker LM. Improving the fitness of overweight adolescents through a community and family intervention: Curtin University's Activity, Food and Attitudes Program. *International Congress on Physical Activity and Public Health*. (2014, April). Rio de Janeiro, Brazil.
- 2013 **Howie EK**, Beets MW, Newman-Norlund R, Schatz J, Pate RR. Classroom exercise breaks and educational outcomes in elementary school students. American College of Sports Medicine Annual Conference, (May 2013), Indianapolis, IN.
- 2013 **Howie EK**. (Apr 2013). Smiles Count: A mixed-methods dose-response analysis of affective response to, as well as acceptability and feasibility of a classroom exercise break intervention. University of South Carolina Graduate Student Day. Columbia, SC.

- 2013 **Howie EK**, Pate RR. (Feb 2013). Dose response of classroom exercise breaks on educational outcomes. Southeast ACSM. Greenville, SC.
- 2012 **Howie EK**, Davis CL. (Feb 2012). Modeling relationships between physical activity, diet, fitness, fatness and academic relevant outcomes in overweight children. Southeast ACSM. Jacksonville, FL.
- 2011 **Howie EK**, Davis CL. (Nov 2011). Modeling relationships between physical activity, diet, fitness, fatness and academic relevant outcomes in overweight children. ACSM Physical Activity, Cognitive Function, and Academic Achievement Conference. Washington, DC.
- 2011 **Howie EK**. (Sept 2011). American Journal of Health Promotion. Meet the Authors webinar series.
- 2010 **Howie EK**, Brown WH, Dowda M, Mclver K, Pate RR. (June 2010). Comparison of activity types between high and low active preschool children. American College of Sports Medicine Annual Conference, Baltimore, MD.
- 2010 **Howie EK** Barnes TL, McDermott S, Mann JR, Meriwether RA. (May 2010). Description of Physical Activity in Adults with Intellectual Disabilities. 3rd International Congress on Physical Activity and Public Health, Toronto, Canada.
- 2009 **Howie EK**, Young DR. (2009, May). Step It Up: A Multi-component Intervention to Increase Stair Use in a University Residence Building. American College of Sports Medicine Annual Conference, Seattle, WA.

TEACHING AND SUPERVISOR EXPERIENCE

- 2010-2013 *Teaching Assistant*, EXSC 191, Physical Activity and Health
Developed and delivered lectures on one third of the course material to the introduction exercise class of 150 students. Developed and graded assignments and assessments.
- 2006-2007 *Section Leader*, Honors 100, University of Maryland,
Co-taught and facilitated Honors 100, a one-credit class for Honors Freshman which includes units on the University, Liberal Education, Current Events, Service, Diversity, Arts, Research, and Academic Integrity and Success.

In addition to formal teaching, I have taught students in the Australian graduate student model where students do not take complete coursework but are dependent on individual supervisor informal tutelage to complete an independent research project.

Current student supervision:

Siao Hui, PhD, *musculoskeletal symptoms and the use of mobile touch screen devices in adolescents*, School of Physiotherapy and Exercise Science, Curtin University.

Richelle Baker, MPhil, *Reducing musculoskeletal discomfort and mental fatigue through use of an active cycling workstation*. School of Physiotherapy and Exercise Science, Curtin University.

Phoebe Simpson, Honours, *The association between sprint performance, enjoyment and perceived physical competence on physical activity participation in pre-pubescent boys*. School of Physiotherapy and Exercise Science, Curtin University. Expected graduation December 2016.

Ashleigh Neil, Honours, *The predictors of sprint performance in pre-pubescent boys aged 9-12*, School of Physiotherapy and Exercise Science, Curtin University. Expected graduation December 2016.

Peter Edwards, Honours, *Reasons for organized sport dropout in children*, School of Physiotherapy and Exercise Science, Curtin University. Expected graduation December 2017.

Su Wen Jolyn Ee, Honours, *An action-based approach to implementing standing desks in a Year 4 classroom*, School of Physiotherapy and Exercise Science, Curtin University. Expected graduation December 2017.

Completed students:

2015 Kyla Smith, PhD. *Diet and attitudes among overweight and obese adolescents before, during and after participation in Curtin University's Activity, Food and Attitude Program*. School of Physiotherapy and Exercise Science, Curtin University.

2014 Brittany Choy, Honours, *Using automated cameras to assess postures, activity, and technology use in 1:1 tablet program*. School of Occupational Therapy, Curtin University.

PROFESSIONAL SERVICE ACTIVITIES

2015 Honours program research project assessor, School of Physiotherapy and Exercise Science

2014-present International Society for Physical Activity and Health, Communications Committee member, responsible for social media

2014-present Little Athletics South Perth, volunteer coach

2010-2013 *Eat Smart Move More Lexington County* Steering Committee, media chair & grant writer

2011-2013 Health Aspects of Physical Activity Journal Club, coordinator

2012-2013 Physical activity presentations to kindergarten and first grade classes, *Christ Church Episcopal School*, Greenville, SC

2013 Graduate Assistant Training, veteran teaching assistant panel

2010-2012 *Girls on the Run* head coach

2010-2012 South Carolina Public Health Association, student member

2010-2012 *Eat Smart Move More South Carolina* Training and Education Committee

2011-2013 American Public Health Association Student Assembly Abstract reviewer

2010 Completion of Parent Teacher Association's Emerging Minority Leader Training

2009-2010 Graduate Research Day, judge

INVITED TRANSLATIONAL COMMUNITY PRESENTATIONS

2014 Straker L, **Howie EK**. Screen time and young children – what are the issues?. Early Childhood Australia Learning Hub webinar. (October 23, 2014).

2013 **Howie EK**, Brown WH. (Feb 2013). The SHAPES approach to enhancing the physical activity of preschoolers. South Carolina Public Health Association. West Columbia, SC.

SCIENTIFIC REVIEWS COMPLETED

- National Health and Medical Research Council of Australia Invited external project grant assessor
- Peer reviewer for the following journals: Medicine & Science in Sports & Exercise, Journal of Science and Medicine in Sport, Pediatric Obesity, BMC Pediatrics, British Journal of Nutrition, Plos One, Games for Health, Research in Developmental Disabilities, Australian and New Zealand Journal of Public Health, Mental Health & Physical Activity, Scandinavian Journal of Medicine and Science in Sports

PROFESSIONAL MEMBERSHIPS

- American College of Sports Medicine
- International Society for Physical Activity and Health
- International Society for Physical Activity and Health, Early Career Network
- American Heart Association, Council on Lifestyle and Cardiometabolic Health, Early Career Member