

Denver M. Y. Brown, Ph.D.

Assistant Professor

Associate Director; Infant, Child, and Youth Health (INCH) Lab
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EDUCATION

- 2018 **Ph.D.**, Kinesiology (Exercise & Health Psychology)
McMaster University, ON, Canada
Advisor: Dr. Steven Bray
Dissertation title: “Mental fatigue and self-regulation of physical activity behaviour”
- 2014 **M.Sc.**, Kinesiology (Exercise & Health Psychology)
McMaster University, ON, Canada
Advisor: Dr. Steven Bray
Thesis title: “Executive function performance following exposure to cardiovascular exercise at different intensities”
- 2012 **B.Sc. Kin. (Hons.)**, Kinesiology
McMaster University, ON, Canada
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POSTDOCTORAL APPOINTMENTS

- 2020 - 2021 **Postdoctoral Research Fellow** (Behavioral Medicine)
Department of Family Medicine
McMaster University, ON, Canada
Advisor: Dr. Matthew Kwan
- 2018 - 2020 **Postdoctoral Research Fellow** (Behavioral Medicine)
Mental Health and Physical Activity Research Centre
Faculty of Kinesiology and Physical Education
University of Toronto, ON, Canada
Advisors: Dr. John Cairney & Dr. Kelly Arbour-Nicitopoulos
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GRANTS

a) Current:

- 2022-2023 University of Texas at San Antonio: Internal Research Awards (INTRA) Grant
Principal Investigator: **Brown, D. M. Y.**
Co-Investigator: Leary, L.
Title: Investigating the influence of 24-hour movement behaviors on indicators of mental health among youth with epilepsy
Funds Awarded: **\$5,000**
- 2022-2023 University of Texas at San Antonio: Strategic Research Award Research Interest Group Grant
Principal Investigator: **Brown, D. M. Y.**
Co-Investigators: Dorgo, S., Hajiaghamemar, M., Seidi, M.
Title: Understanding human performance under suboptimal conditions: A kinematic examination of the impact of mental fatigue on vertical jump performance
Funds Awarded: **\$4,997**
- 2022-2023 University of Texas at San Antonio: College for Health, Community and Policy Pilot Grant
Principal Investigator: **Brown, D. M. Y.**
Co-Investigator: Meca, A.
Title: Understanding the Role of Identity in Adolescent Physical Activity Behavior: Development and Validation of the Multidimensional Inventory of Physically Active Identity
Funds Awarded: **\$5,000**

b) Past:

- 2022 Society for the Improvement of Psychological Sciences, Grant-in-Aid
Principal Investigator: **Brown, D. M. Y.**
Co-Investigators: Twomey, R., Orange, S., Foriestier, C., Pommerell, F., Dolan, E., Yingling, V., Zenko, Z., Caldwell, A., Sherwood, J., Mills, J.
Title: The STORK Summit: Moving Toward Better Research in Kinesiology
Funds Awarded: **\$2,000**
- 2022 Canadian Institute of Health Research, Planning and Dissemination Grant
Principal Investigator: Kwan, M. Y. W.
Co-Investigators: Kandasamy S., McCormack, G., Barrick S., **Brown, D. M. Y.**, Cairney, J., Chowdhury, T.T., Cui D., Curtin, K., Faulkner, G., Gabel, L. & Legg, D.
Title: Development of a Physical Literacy-based intervention Among new immigrants and refugee Youth to Canada.
Funds Awarded: **\$10,000**
- 2022 Social Sciences and Humanities Research Council of Canada: Partnership Engage Grant
Principal Investigator: Kwan, M. Y. W.
Co-Investigators: **Brown, D. M. Y.**, Cui, D., Kandasamy, S.
Partner: WinSport
Title: Development and evaluation of WinSport's IPLAY program: A mixed methods examination of a physical literacy-based initiative for newcomer youths
Funds Awarded: **\$25,000**
- 2020-2021 Canadian Institute of Health Research, Operating Grant: COVID-19 Mental Health & Substance Use Service Needs and Delivery
Nominated Principal Investigator: Kwan, M. Y. W.

- Co-Principal Investigator: Munn, C.
 Co-Investigators: **Brown, D. M. Y.**, Gillette, J., Marshall, T., McKillop, J., Young, M.
 Knowledge Users: VanKoughnett, S., Beaudette, S.
Title: Evaluation of Archway: A Guided Program for First-Year Student Success and Mental Health and Wellbeing
 Funds Awarded: **\$156,000**
- 2020-2021 Canadian Institute of Health Research, Operating Grant: Data Analysis using Existing Databases and Cohorts
 Principal Investigator: Kwan, M. Y. W.
 Co-Investigators: **Brown, D. M. Y.**, Cairney, J., Kitchen, P.
Title: “Trajectories of physical activity and its impact on health among Canadians.”
 Funds Awarded: **\$86,157**
- 2020-2021 Council for Research in Social Sciences, Brock University
 Principal Investigator: Kwan, M. Y. W.
 Co-Principal Investigator: **Brown, D. M. Y.**
Title: “Identifying profiles of movement behaviours among first-year university students and their associations with indicators of mental health”
 Funds Awarded: **\$2,906**
- 2019-2020 Physicians Services Incorporated Foundation Grant
 Principal Investigator: Ronen, G. M.
 Co-Investigators: Rosenbaum, P. L., Humphreys, C. L., Obeid, J., Patterson, S. J.,
 Collaborators: **Brown, D. M. Y.***
Title: “How can children with epilepsy adopt and maintain a healthy and active lifestyle?”
 Funds Awarded: **\$141,381**
 *Postdoctoral Fellows cannot be named as Co-Investigators on PSI Grants
- 2019 University of Toronto Internal KPE Faculty Research Grant
 Principal Investigator: Cairney, J.
 Co-Principal Investigator: **Brown, D. M. Y.**
Title: “Investigating the relationship between physical activity and mental health outcomes among children and youth with epilepsy.”
 Funds Awarded: **\$6,500.**
- 2018 McMaster University SSHRC Explore – Standard Research and Creative & Performing Arts Grant
 Principal Investigator: Bray, S. R.
 Co-Principal Investigator: **Brown, D. M. Y.**
Title: “Overcoming the Effects of Mental Fatigue on Physical Activity with Performance Monitoring”
 Funds Awarded: **\$5,192.**
- 2017 McMaster University SSHRC Explore – Standard Research and Creative & Performing Arts Grant
 Principal Investigator: Bray, S. R.
 Co-Principal Investigator: **Brown, D. M. Y.**
Title: “Effects of Mental Fatigue on Physical Activity Motivation and Behaviour”
 Funds Awarded: **\$6,927.06.**

2015 McMaster University SSHRC Explore – Standard Research and Creative & Performing Arts Grant
Principal Investigator: Bray, S. R.
Co-Principal Investigator: **Brown, D. M. Y.**
Title: “Effects of Mental Effort and Fatigue on Exercise Performance”
Funds Awarded: **\$6,443.94.**

FELLOWSHIPS

a) Past:

2015-2018 Social Sciences and Humanities Research Council of Canada (SSHRC) Joseph-Armand Bombardier SSHRC Doctoral Canada Graduate Scholarship (CGS-D)
Funds Awarded: **\$105,000.**

2015-2016 Ontario Graduate Fellowship
Funds Declined: **\$12,000** (due to holding SSHRC CGS-D award)

2014-2015 McMaster University Harry Lyman Hooker Scholarship
Funds Awarded: **\$24,000**
Funds Declined (2015-2018): **\$72,000** (due to holding SSHRC CGS-D award)

AWARDS & HONOURS

2022 International Society of Behavioral Nutrition and Physical Activity - Young Adults Special Interest Group Conference Presentation Award

2022 Society of Behavioral Medicine – Citation Award Winner (co-author)

2019 Canadian Institute of Health Research - Institute of Community Support Travel Award.
Identifying patterns of youth movement behaviours in relation to physical and mental health: A latent profile analysis approach. **\$1,000**

2018 McMaster University Annual Neurosciences Research Day 1st Place Oral Presentation. **\$750**

2018 McMaster University: Joan Heimbecker Memorial Scholarship. **\$1,000**

2017 McMaster University: Three Minute Thesis Competition Finalist
URL: <https://www.youtube.com/watch?v=st1GeyWX0iY>

2017 McMaster University: Joan Heimbecker Memorial Scholarship. **\$1,500**

2013 McMaster University: Gwen George Graduate Bursary. **\$1,500**

2010 Canadian Interuniversity Sport Academic All Canadian

PUBLICATIONS

Lifetime Summary:

a) Refereed Journal Articles – Published, In Press, or Accepted.....38

b) Manuscripts in Review.....	9
c) Book Chapters.....	2
d) Other Contributions.....	2
e) Presentations at Peer-Reviewed Conferences.....	62
f) Presentations at non Peer-Reviewed Conferences.....	12
g) Invited talks.....	2

a) Refereed Journal Articles – Published, In Press, or Accepted

1. **Brown, D. M. Y.**, Porter, C., Hamilton, F., Almanza, F., Narvid, C., Pish, M. & Arizabalo, D. (2022). Interactive associations between physical activity and sleep duration in relation to adolescent academic achievement. *International Journal of Environmental Research and Public Health*, *19*, 15604. <https://doi.org/10.3390/ijerph192315604>
2. Woods, A. D., Davis-Kean, P. E., Halvorson, M., King, K. M., Logan, J. A. R., Xu, M., Gerasimova, D., Vasilev, M. R., Bainter, S., Clay, J. M., Van Dusen, B., Moreau, D., Joyal-Desmarais, K., Cruz, R. A., **Brown, D. M. Y.**, Schmidt, K., Nissen, J., Uzdavines, A., Elsherif, M. M. (Accepted). Best practices for addressing missing data through multiple imputation. *Infant and Child Development*.
3. **Brown D. M. Y.**, Hill, R. M. & Wolf, J. K. (2022). Cross-sectional associations between 24-hour movement guideline adherence and suicidal thoughts among Canadian post-secondary students. *Mental Health and Physical Activity*, *23*, 100484. <https://doi.org/10.1016/j.mhpa.2022.100484>
4. Wilfred, A. M., Humphreys, C., Patterson, S., **Brown, D. M. Y.**, Pohl, D., Moyes, C., Rosenbaum, P. & Ronen, G. (2022). Being physically active with epilepsy: Insights from young people and their parents. *Epilepsy Research*, *188*, 107035. <https://doi.org/10.1016/j.eplesyres.2022.107035>
5. Haider, I., **Brown D. M. Y.**, Bray, S. R., Dutta, P., Rhodes, R. E. & Kwan, M. Y. W. (2022) Understanding the intention-to-behavior relationship for adolescents: An application of the Multi-Process Action Control Model. *International Journal of Sport and Exercise Psychology*, *Online Ahead of Print*. <https://doi.org/10.1080/1612197X.2022.2138496>
6. **Brown D. M. Y.**, Faulkner, G., Kwan, M. Y. W. (2022). Healthier movement behavior profiles are associated with higher psychological wellbeing among emerging adults attending post-secondary education. *Journal of Affective Disorders*, *319*, 511-517. <https://doi.org/10.1016/j.jad.2022.09.111>
7. O'Rourke, R. H., **Brown, D. M. Y.**, Martin Ginis, K. A. & Arbour-Nicitopoulos, K. A. (2022). An examination into the mental health of Canadian children and youth with disabilities. *Canadian Journal of Community Mental Health*, *41*, 75-103. <https://doi.org/10.7870/cjcmh-2022-03>
8. Kovacevic, D., Bray, S. R., **Brown, D. M. Y.**, Kwan, M. Y. W. (2022). Understanding changes in adolescent physical activity behaviours and cognitions prior to and during the COVID-19 pandemic. *Frontiers in Sports and Active Living*, *4*, 895097. <https://doi.org/10.3389/fspor.2022.895097>
9. Wilson, K. E. S., Evans, Z. C. T., Miller, P. Joseph. & **Brown D. M. Y.** (2022). A rapid review of recommendations for mitigating COVID-19 transmission in community sport and recreation facilities. *The Health & Fitness Journal of Canada*, *15*, 31-53. <https://doi.org/10.14288/hfjc.v15i1.811>
10. **Brown, D. M. Y.**, Kwan, M. Y., King-Dowling, S. & Cairney, J. (2021). Cross-sectional associations between wake-time movement compositions and mental health in preschool children with and without motor coordination problems. *Frontiers in Pediatrics*, *9*, 752333. <https://doi.org/10.3389/fped.2021.752333>

11. **Brown, D. M. Y.** & Ronen, G. M. (2021). Associations between 24-hour movement guideline adherence and mental health disorders among young people with active and inactive epilepsy. *Epilepsy & Behavior*, *125*, 108386. <https://doi.org/10.1016/j.yebeh.2021.108386>
12. Graham, J. D., Zhang, B., **Brown, D. M. Y.** & Cairney, J. (2021). An investigation of the home advantage effect in the National Basketball Association Conference Finals and Finals series from 1979 to 2019: A mediation analysis of individual level factors. *Journal of Sport and Exercise Psychology*, *44*, 52-61. <https://doi.org/10.1123/jsep.2020-0314>
13. Kwan, M. Y. W., **Brown, D. M. Y.**, Dutta, P. Haider, I. Cairney, J. & Rhodes, R. E. (2021). Application of the multi-process action control model to predict physical activity during late adolescence. *Journal of Sport & Exercise Psychology*, *44*, 35-41. <https://doi.org/10.1123/jsep.2021-0169>
14. **Brown, D. M. Y.** & Kwan, M. Y. (2021). Movement behaviors and mental wellbeing: A cross-sectional isotemporal substitution analysis of Canadian adolescents. *Frontiers in Behavioral Neuroscience*, *15*, 736587. doi.org/10.3389/fnbeh.2021.736587
15. **Brown, D. M. Y.**, McPhee, P.G., Kwan, M. Y. & Timmons, B. W. (2021). Implications of disability severity on 24-hour movement guideline adherence among children with neurodevelopmental disorders in the United States. *Journal of Physical Activity & Health*, *18*, 1325-1331. doi.org/10.1123/jpah.2021-0282
16. **Brown, D. M. Y.**, Farias Zuniga, A., Mulla, D. M., Mendonca, D., Keir, P. J. & Bray, S. R. (2021). Investigating the effects of mental fatigue on resistance exercise performance. *International Journal of Environmental Research and Public Health*, *18*, 6794. doi.org/10.3390/ijerph18136794
17. **Brown, D. M. Y.**, Ross, T., Leo, J., Buliung, R., Shirazipour, C., Latimer-Cheung, A. & Arbour-Nicitopoulos, K. (2021). A scoping review of evidence-informed recommendations for designing inclusive playgrounds. *Frontiers in Rehabilitation Sciences*, *2*. doi.org/10.3389/fresc.2021.664595
18. **Brown, D. M. Y.**, Cairney, J. & Kwan, M. Y. (2021). Adolescent movement behaviour profiles are associated with indicators of mental wellbeing. *Mental Health and Physical Activity*, *20*, 100387. doi.org/10.1016/j.mhpa.2021.100387
19. **Brown, D. M. Y.**, Kwan, M. Y., Arbour-Nicitopoulos, K., & Cairney, J. (2021). Identifying patterns of movement behaviours in relation to depressive symptoms during adolescence: A latent profile analysis approach. *Preventive Medicine*, *143*, 106352. doi.org/10.1016/j.ypmed.2020.106352
20. Kwan, M. Y., **Brown, D. M. Y.**, MacKillop, J., Beaudette, S., Van Koughnett, S. & Munn, C. (2021). Evaluating the impact of archway: A personalized program for 1st year student success and mental health and wellbeing. *BMC Public Health*, *21*, 59. doi.org/10.1186/s12889-020-10057-0
21. Kwan, M. Y., Graham, J. D., Healy, C., Paolucci, N. & **Brown, D. M. Y.** (2020). Stopping the drop: Examining the impact of a physical literacy-based intervention program on physical activity behaviours and fitness during the transition into university. *International Journal of Environmental Research and Public Health*, *17*, 5832. [doi:10.3390/ijerph17165832](https://doi.org/10.3390/ijerph17165832)
22. **Brown, D. M. Y.**, Dudley, D. A. & Cairney, J. (2020). Physical literacy profiles are associated with differences in children's physical activity participation: A latent profile analysis approach. *Journal of Science and Medicine in Sport*, *21*, 1062-1067. [doi:10.1016/j.jsams.2020.05.007](https://doi.org/10.1016/j.jsams.2020.05.007)

23. Kwan, M., Dutta, P., Bray, S., **Brown, D. M. Y.**, Cairney, J., Dunton, G., Graham, J., Rebar, A., Rhodes, R. (2020). Methods and design for the ADAPT Study: Application of integrated Approaches to understanding Physical activity during the Transition to emerging adulthood. *BMC Public Health*, *20*, 426. doi:10.1186/s12889-020-08484-0
24. **Brown, D. M. Y.**, Arbour-Nicitopoulos, K. A., Martin Ginis, K. A., Latimer-Cheung, A. E. & Bassett-Gunter, R. L. (2020). Examining the relationship between parent physical activity support behaviour and physical activity among children and youth with autism spectrum disorder. *Autism*, *24*, 1783-1794. doi:10.1177/1362361320922658
25. Bulten, R., **Brown, D. M. Y.**, Rodriguez, C. & Cairney, J. (2020). Effects of sedentary behaviour on internalizing problems in children with and without motor coordination problems. *Mental Health & Physical Activity*, *18*, 100325. doi.org/10.1016/j.mhpa.2020.100325
26. **Brown, D. M. Y.** & Cairney, J. (2020). The synergistic effect of poor motor coordination, gender and aging on self-concept in children: a longitudinal analysis. *Research in Developmental Disabilities*, *98*, 103576. doi.org/10.1016/j.ridd.2020.103576
27. **Brown, D. M. Y.**, Graham, J. D., Innes, K., Harris, S., Flemington, A., & Bray, S. R. (2020). Effects of prior cognitive exertion on subsequent physical performance: A systematic review and meta-analysis. *Sports Medicine*, *50*, 497-529. doi:10.1007/s40279-019-01204-8
28. **Brown, D. M. Y.**, Poucher, Z., Myers, M., Graham, J. D. & Cairney, J. C. (2019). Sinister right-handedness provides Canadian-born Major League Baseball players with an offensive advantage: A further test of the hockey influence on batting hypothesis. *PLoS ONE*, *14*, e0221501. doi:10.1371/journal.pone.0221501
29. **Brown, D. M. Y.**, Mahlberg, N., Pohl, D., Timmons, B. W., Bray, S. R., Streiner, D. L., Ferro, M. A., Hamer, S., Rosenbaum, P. L. & Ronen, G.M. (2019). Can behavioral strategies increase physical activity and influence depressive symptoms and quality of life among children with epilepsy? Results of a randomized controlled trial. *Epilepsy & Behavior*, *94*, 158-166. doi:10.1016/j.yebeh.2019.03.011
30. **Brown, D. M. Y.** & Bray, S. R. (2019). Heart rate biofeedback attenuates the effects of mental fatigue on exercise performance. *Psychology of Sport and Exercise*, *41*, 70-79. doi:10.1016/j.psychsport.2018.12.001
31. **Brown, D. M. Y.** & Bray, S. R. (2019) Effects of mental fatigue on exercise intentions and behavior. *Annals of Behavioral Medicine*, *53*, 405-414. doi:10.1093/abm/kay052
32. **Brown, D. M. Y.** & Bray, S. R. (2018). Acute effects of continuous and high-intensity interval exercise on executive function. *Journal of Applied Biobehavioural Research*, *23*, e12121. doi:10.1111/jabr.12121
33. **Brown, D. M. Y.** & Bray, S. R. (2017). Effects of mental fatigue on physical endurance performance and muscle activation are attenuated by monetary incentives. *Journal of Sport and Exercise Psychology*, *39*, 385-396. doi:10.1123/jsep.2017-0187
34. **Brown, D. M. Y.** & Bray, S. R. (2017). Graded increases in cognitive control exertion reveal a threshold effect on subsequent physical performance. *Sport, Exercise and Performance Psychology*, *6*, 355-369. doi:10.1037/spy0000091

35. Zering, J. C., **Brown, D. M. Y.**, Graham, J. D., & Bray, S. R. (2016). Cognitive control exertion leads to reductions in peak power output and as well as increased perceived exertion on a graded exercise test to exhaustion. *Journal of Sports Sciences*, *35*, 1799-1807. doi:10.1080/02640414.2016.1237777
36. **Brown, D. M. Y.**, Teseo, A. J., & Bray, S. R. (2015). Effects of autonomous motivational priming on motivation and affective responses towards high-intensity interval training. *Journal of Sports Sciences*, *34*, 1491-1499. doi:10.1080/02640414.2015.1119301
37. **Brown, D. M. Y.** & Bray, S. R. (2015). Isometric exercise and cognitive function: An investigation of acute dose-response effects during submaximal fatiguing contractions. *Journal of Sport Sciences*. *33*, 487-497. doi:10.1080/02640414.2014.947524
38. **Brown, D. M. Y.**, Bray, S. R., Beatty, K., & Kwan, M. Y. (2014). Healthy active living: A residence community-based intervention to increase physical activity and healthy eating during the transition to first-year university. *Journal of American College Health*, *62*, 234-242. doi:10.1080/07448481.2014.887572.

b) Manuscripts in Review

1. **Brown D. M. Y.**, Cairney, J., Azimi S., Vandeborn, E., Bruner, M.W., Tamminen, K.A., & Kwan, M. Y. W. (In Review). Towards the development of a quality youth sport experience measure: Understanding participant and stakeholder perspectives. *PLOS One*.
2. **Brown, D. M. Y.** & Meca, A. (In Review). An examination of the psychometric properties of the Exercise Identity Scale and its adaptation to physical activity. *Journal of Sport and Exercise Psychology* (JSEP.2023-0025).
3. Porter, C., McPhee, P., Kwan, M., Timmons, B. & **Brown, D. M. Y.** (Revise & Resubmit). 24-hour movement guideline adherence and mental health: A cross-sectional study of emerging adults with chronic health conditions and disabilities. *Disability & Health Journal*.
4. Cairney, J., Townsend, S., **Brown, D. M. Y.**, Graham, J. D. & Kwan, M. Y. (In Review). The golden ratio in baseball: the influence of historical eras on winning percentages in Major League Baseball. *PLOS ONE*.
5. Golob, E. J., Olayo, R. C., **Brown, D. M. Y.** & Mock, J. R. (Revise & Resubmit). Relations among multiple dimensions of listening effort in response to an auditory psychomotor vigilance task. *Ear and Hearing*.
6. Kwan, M. Y. W., Kandasamy, S., Graham, J. D., Konopaki, J. & **Brown, D. M. Y.** (In Review). Development and evaluation of the IPLAY program: A protocol for a mixed-methods examination of a pilot program targeting newcomer youth. *Pilot & Feasibility Studies*.
7. Jekauc, D., Gürdere, C., Englert, C., Strobach, T., Bottesi, G., Bray, S., **Brown, D. M. Y.**, Fleig, L., Ghisi, M., Graham, J., Martinasek, M., Tamulevicius, N. & Pfeffer, I. (In Review). The contribution and interplay of implicit and explicit processes on physical activity behavior: Empirical testing of the physical activity adoption and maintenance model (PAAM). *Journal of Sport and Exercise Psychology* (JSEP.2022-0285).
8. **Brown D. M. Y.**, Lerner, I., Cairney, J. & Kwan, M. Y. W. (In Review). Independent and joint associations of physical activity and sleep on mental health among 220,324 adults in 214 countries. *Psychiatric Research* (PSM-S-23-00104).

9. Fairclough, S., Clifford, L., **Brown D. M. Y.** & Tyler, R. (In Review). Characteristics of 24-hour movement behaviours and their associations with mental health in children and adolescents. *Journal of Activity, Sedentary and Sleep Behaviors*.

c) Book Chapters

1. Meca, A., Allison, K. K., **Brown, D. M. Y.**, & Porter, C. (Forthcoming). An overview of athletic identity during adolescence and emerging adulthood. In R. J. R. Levesque (Ed), *Encyclopedia of Adolescence*. Springer.
2. Graham, J. D., & **Brown, D. M. Y.** (2021). Understanding and interpreting the effects of prior cognitive exertion on self-regulation of sport and exercise performance. In C. Englert & I. Taylor (Eds.), *Handbook of self-regulation and motivation in sport and exercise* (1st ed., pp. 113-133). Routledge. doi:10.4324/9781003176695

d) Other Contributions

1. DeBolt, M., Herrera-Bennett, A., Lawson, K. M., et al. (2021). Data management for psychological science: A crowdsourced syllabus. Open-source syllabus available from: <https://docs.google.com/document/d/1z15bL9cP84re6d4zdkO60q06lnknnN3xEktN7GnLFFQ/edit>
2. Woods, A. D., Davis-Kean, P., Halvorson, M. A., King, K., Logan, J., Xu, M., Bainter, S., **Brown, D. M. Y.**, et al. (2021). Missing data and multiple imputation decision tree. PsyArXiv. <https://doi.org/10.31234/osf.io/mdw5r>

e) Presentations at Peer-Reviewed Conferences – Published Abstracts

Presenting author (s) = *

1. **Brown, D. M. Y.***, Meca, A. (In Review). An examination of the psychometric properties of the Exercise Identity Scale and its adaptation to physical activity. Paper submitted for presentation at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Toronto, ON, Canada.
2. **Brown, D. M. Y.***, Meca, A. & Osman, A. (In Review). Development of the multidimensional inventory of physical activity identity. Paper submitted for presentation at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Toronto, ON, Canada.
3. Jekauc, D.*, Gürdere, C., Englert, C., Strobach, T., Bottesi, G., Bray, S., **Brown, D. M. Y.**, Fleig, L., Ghisi, M., Graham, J., Martinasek, M., Tamulevicius, N. & Pfeffer, I. (In Review). A multinational study to test the hypotheses of the physical activity adoption and maintenance model (PAAM). Paper submitted for presentation at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Toronto, ON, Canada.
4. Huong, C.*, Coyle, T. & **Brown, D. M. Y.** (Forthcoming). Comparing network structures of depressive symptoms and covariates between females and males in a large cross-sectional sample. Poster to be presented at the Association for Psychological Science Annual Convention, Washington, D.C., USA.
5. Groves, C.*, Witham, B., Huong, C., Porter, C., Summerville, B., Swafford, I., Hayward, M., Kwan, M. & **Brown, D. M. Y.** (Forthcoming). Optimal combinations of 24-hour movement behaviors for

mental health across the lifespan: A systematic review. Poster to be presented at the 44th annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.

6. Summerville, B.*, Fairclough, S., Mielke, G., Tyler, R. & **Brown, D. M. Y.** (Forthcoming). Social determinants of device-measured physical activity among US children and adolescents. Poster to be presented at the 44th annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
7. Swafford, I. & **Brown, D. M. Y.** (Forthcoming). 11-Year trends in internalizing disorders and treatment according to college students' organized sport involvement. Poster to be presented at the 44th annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
8. St. Laurent, C.,* Burkhardt, S.,* Pfladderer, C.,* & **Brown, D. M. Y.*** (Forthcoming). Compositional Approaches for 24-Hour Movement Behavior Data Analysis: Opportunities to Rethink Standard Methods. Symposium to be presented at the 44th annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
9. Liu, S.,* Willms, A.,* **Brown, D. M. Y.,*** Nuss, K.,* Rhodes, R.* & Conroy, D.* (Forthcoming). Implementing mobile health interventions and observational studies using a “no-code” app development platform. Symposium to be presented at the 44th annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
10. Huong, C. & **Brown, D. M. Y.** (Forthcoming). Cross-sectional associations between regular physical activity and domains of mental health in a global sample of young adults. Poster to be presented at the 44th annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
11. Porter, C. & **Brown, D. M. Y.** (Forthcoming). Predicting Physical Activity Behavior Among College Students Using the Multi-Process Action Control Model. Poster to be presented at the 44th annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
12. **Brown, D. M. Y.*** & Hale, W. (Forthcoming). Temporal dynamics of physical activity and psychological distress from adolescence to adulthood: A 16-year panel study. Paper to be presented at the 44th annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
13. Kwan, M. Y. K.* & **Brown, D. M. Y.** (Forthcoming). Trajectories of Physical Activity Behaviors During the Transition into Emerging Adulthood: Results from the ADAPT Study. Paper to be presented at the 44th annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
14. Cheever, K.* & **Brown, D. M. Y.*** (Forthcoming). Daily psychological readiness, fatigue, and tissue stress monitoring: A data driven approach to injury prevention. Accepted for verbal presentation at the annual meeting of the National Athletic Trainers' Association, Indianapolis, IN, USA.
15. Wilfred, A. M., Humphreys, C., Patterson, S., **Brown, D. M. Y.**, Pohl, D., Moyes, C., Rosenbaum, P. & Ronen, G. (Forthcoming). Being physically active with epilepsy: Insights from young people and their parents. Paper to be presented at the annual meeting of the annual meeting of the International Society of Quality of Life, Prague, Czech Republic.
16. O'Rourke, R. H., **Brown, D. M. Y.**, Voss, C., Martin Ginis, K. A. & Arbour-Nicitopoulos, K. A. (2022). An examination of device-measured physical activity behaviours and mental health outcomes

in Canadian children and youth with disabilities. Paper to be presented at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, Montreal, QC, Canada.

17. James, M. E., **Brown, D. M. Y.**, King-Dowling, S., Kwan, M. Y. W., & Cairney, J. (2022). Parent physical activity support behaviour and physical activity among children with Developmental Coordination Disorder during early to mid-childhood. Presented at the 14th International Developmental Coordination Disorder Conference, Vancouver, ON, Canada.
18. **Brown, D. M. Y.**,* Li, S., Porter., C., Ronen, G. R., Arbour-Nicitopoulos K. & Cairney, J. (2022). Psychosocial correlates of device-measured physical activity behavior among youth with epilepsy. [Abstract]. *Journal of Sport & Exercise Psychology*, 44, S69. Presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Kona, HI.
19. Porter, C.*; McPhee, P., Kwan, M., Timmons, B. & **Brown, D. M. Y.** (2022). 24-hour Movement Guideline Adherence and Mental Health: A Cross-Sectional Study of Emerging Adults with Chronic Health Conditions and Disabilities. Presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Kona, HI.
20. Kwan, M.,* **Brown, D. M. Y.**, Dutta, P. & Haider, I. (2022). Predicting Physical Activity during the Transition into Emerging Adulthood: A Longitudinal Examination using the Multi-Process Action Control Model. Presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Kona, HI.
21. Kovacevic, D.,* Bray, S., **Brown, D. M. Y.** & Kwan, M. (2022). Prediction of adolescents' physical activity behaviour during the COVID-19 pandemic using the multi-process action control framework. Presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Kona, HI.
22. **Brown, D. M. Y.*** & Kwan, M. (2022). Healthier movement behavior profiles are associated with lower psychological distress and higher mental wellbeing during emerging adulthood. Presented at the annual meeting of the International Society of Behavioral Nutrition and Physical Activity, Phoenix, AZ.
23. **Brown, D. M. Y.**,* Faulkner, G. & Kwan, M. Y. (2022). Reallocating time between movement behaviors has implications for postsecondary students' mental health. Presented at the 43rd annual meeting and scientific session of the Society for Behavioral Medicine, Baltimore, MD, USA.
24. Kwan, M. Y.,* Yang, J., **Brown, D. M. Y.**, Dutta, P. (2022). Investigating within-day time-varying associations between behavioral cognitions and physical activity in adolescents. Presented at the 43rd annual meeting and scientific session of the Society for Behavioral Medicine, Baltimore, MD, USA.
25. Dutta, P.,* **Brown, D. M. Y.**, Haider, I., Kwan, M. Y. (2022). A foreseeable future: Building a forest classification model to predict acute physical activity using EMA in adolescents. Presented at the 43rd annual meeting and scientific session of the Society for Behavioral Medicine, Baltimore, MD, USA.
26. **Brown, D. M. Y.**,* & Ronen, G. R. (2021). Associations between 24-Hour movement guideline adherence and mental health disorders among young people with active and inactive epilepsy. Presented at the 2021 annual meeting of the American Epilepsy Society, Virtual.
27. **Brown, D. M. Y.**,* McPhee, P.G., Kwan, M. Y. & Timmons, B. W. (2021). Implications of disability severity on 24-hour movement guideline adherence among children with neurodevelopmental

disorders in the United States. Presented at the 2021 annual meeting of the International Society of Physical Activity and Health, Virtual.

28. **Brown, D. M. Y.,*** Cairney, J. & Kwan, M. Y. (2021). Quality sleep frequency attenuates the negative impact of physical inactivity on mental wellbeing. Presented at the 2021 annual meeting of the International Society of Physical Activity and Health, Virtual.
29. Kovacevic, D.,* **Brown, D. M. Y.,** Bray, S. R. & Kwan, M. Y. (2021). Impact of COVID-19 on physical activity behaviour and cognitions of Canadian adolescents: A longitudinal analysis. Presented at the 2021 annual meeting of the International Society of Physical Activity and Health, Virtual.
30. Cheng, A.,* **Brown, D. M. Y.,** Rhodes, R. & Kwan, M. Y. (2021). Changes in adolescent 24-Hour movement guideline adherence and its impact on mental wellbeing during COVID-19. Presented at the 2021 annual meeting of the International Society of Physical Activity and Health, Virtual.
31. Hader, I.,* **Brown, D. M. Y.,** Bray, S. R., Dutta, P., Rhodes, R. & Kwan, M. Y. (2021). Understanding the intention-to-behaviour relationship for adolescents: An application of the Multi-Process Action Control Model. Presented at the 2021 annual meeting of the International Society of Physical Activity and Health, Virtual.
32. **Brown, D. M. Y.,*** Boat, R., Graham, J., Martin, K., Pageaux, B., Pfeffer, I., Taylor, I., Wolff, W., & Englert, C. (2021). A multi-lab pre-registered replication examining the influence of mental fatigue on endurance performance: Should we stay or should we go? [Abstract]. *Journal of Sport & Exercise Psychology*, 43, S57. Presented at the 2021 annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Virtual.
33. **Brown, D. M. Y.,*** Kwan, M. & Cairney, J. (2021). Movement behaviour compositions and associations with indicators of mental health among young children with and without Developmental Coordination Disorder. [Abstract]. *Journal of Sport & Exercise Psychology*, 43, S8. Presented at the 2021 annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Virtual.
34. Haider, I.,* **Brown, D. M. Y.,** Bray, S. R. & Kwan, M. Y. (2021). Prediction of intention-behavior profiles in Canadian secondary school students using the multi-process action control framework. [Abstract]. *Journal of Sport & Exercise Psychology*, 43, S67. Presented at the 2021 annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Virtual.
35. **Brown, D. M. Y.,*** Cairney, J. & Kwan, M. Y. (2021). Adolescent movement behaviour profiles are associated with indicators of mental wellbeing. Verbal presentation at the 42nd annual meeting and scientific session of the Society for Behavioral Medicine, Virtual Conference.
36. Dutta, P.,* **Brown, D. M. Y.,** Yang, C. & Kwan, M. Y. (2021). With the best of intentions: Examining variations in intentions to engage in physical activity using EMA. Verbal presentation at the 42nd annual meeting and scientific session of the Society for Behavioral Medicine, Virtual Conference.
37. Flemington, A.,* Svoboda, S., **Brown, D. M. Y.,** Graham, J. D., Englert, C. & Bray, S. R. (2020). Investigating the relationships between cognitive control exertion, attentional focus and physical performance. [Abstract]. *Journal of Sport & Exercise Psychology*, 42, S340. Online presentation at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity.

38. **Brown, D. M. Y.***, Dudley, D., Kriellaars, D. & Cairney, J. (2019). The role of physical literacy for mental health. Poster presented at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, Vancouver, BC.
39. Bulten, R., **Brown, D. M. Y.***, Rodriguez, C. & Cairney, J. (2019). Effects of sedentary behaviour on internalizing problems in children with and without motor coordination problems. Poster presented at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, Vancouver, BC.
40. **Brown, D. M. Y.***, O'Rourke, R., Martin Ginis, K. A. & Arbour-Nicitopoulos, K. P. (2019). Moderate-to-vigorous physical activity confers protective benefits for internalizing disorders among Canadian children and youth with disabilities. Verbal presentation at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, Vancouver, BC.
41. **Brown, D. M. Y.***, Poucher, Z., Myers, M., Graham, J. D. & Cairney, J. C. (2019). Sinister right-handedness provides Canadian-born Major League Baseball players with an offensive advantage: A further test of the hockey influence on batting hypothesis. Poster presented at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, Vancouver, BC.
42. **Brown, D. M. Y.***, Innes, K., Harris, S., Graham, J. D., Flemington, A., Bedard, C. & Bray, S. R. (2019). Cognitive exertion and physical performance: A systematic review and meta-analysis [Abstract]. *Journal of Sport & Exercise Psychology*, 41, S55. Verbal presentation at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Baltimore, MD.
43. **Brown, D. M. Y.***, Arbour-Nicitopoulos, K. P., Martin Ginis, K. A., Latimer-Cheung, A. E., & Bassett-Gunter, R. L. (2019). Examining the relationship between parent physical activity support and physical activity among children and youth with autism spectrum disorder [Abstract]. *Journal of Sport & Exercise Psychology*, 41, S56. Verbal presentation at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Baltimore, MD.
44. Graham, J. D.*, Innes, K. L., **Brown, D. M. Y.**, Cairney, J. & Bray, S. R. (2019). Secular declines in children's motor abilities: Implications for intervention from a physical literacy perspective [Abstract]. *Journal of Sport & Exercise Psychology*, 41, S66. Verbal presentation at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Baltimore, MD.
45. Kwan, M. Y.*, Veldhuizen, S., **Brown, D. M. Y.**, Graham, J. D. & Cairney, J. (2019). Contextual factors impacting affective response to physical activity: Results from the MovingU study [Abstract]. Paper presented at the annual meeting of the Society of Behavioral Medicine, Washington, DC.
46. Ronen, G. M.*, **Brown, D. M. Y.**, Pohl, D., Bray, S. R., Streiner, D., Ferro, M., Mahlberg, N., Hamer, S., Timmons, B. & Rosenbaum, P. L. (2018). Enhancing quality of life through physical activity in children with epilepsy: A randomized controlled trial with a behavioural counselling intervention [Abstract]. Paper presented at the annual meeting of the American Epilepsy Society, New Orleans, LA.
47. **Brown, D. M. Y*.**, Mendonca, D., Farias Zuniga, A., Mullah, D., Keir, P., & Bray, S. R. (2018). Effects of mental fatigue on muscle activation and resistance exercise performance [Abstract]. *Journal of Exercise, Movement, and Sport*, 50, 221. Paper presented at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, Toronto, ON.
48. **Brown, D. M. Y*.** & Bray, S. R. (2018). Overcoming the effects of mental fatigue on physical activity with performance monitoring [Abstract]. *Journal of Sport and Exercise Psychology*, 40, S79. Paper

presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Denver, CO.

49. **Brown, D. M. Y.***, Mahlberg, N., Pohl, D., Timmons, B. W., Bray, S. R., Streiner, D. L., Ferro, M. A., Hamer, S., Rosenbaum, P. L. & Ronen, G.M. (2018). Examining the impact of behavioral counselling on psychosocial mediators for physical activity among children with epilepsy [Abstract]. *Journal of Sport and Exercise Psychology*, *40*, S79. Poster presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Denver, CO.
50. Langvee, J., Harris, S., **Brown, D. M. Y.** & Bray, S. R*. (2018). Effects of self-control exertion on mental fatigue and perceived exertion during whole-body exercise [Abstract]. *Journal of Sport and Exercise Psychology*, *40*, S102. Poster presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Denver, CO.
51. **Brown, D. M. Y.*** & Bray, S. R. (2017). Effects of mental fatigue on exercise intentions and behaviour [Abstract]. *Journal of Exercise, Movement, and Sport*, *49*, 151. Paper presented at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, St John's, NL.
52. **Brown, D. M. Y.*** & Bray, S. R. (2017). Negative effects of mental fatigue on physical endurance performance and muscle activation are attenuated by monetary incentives [Abstract]. *Journal of Sport and Exercise Psychology*, *39*, S226. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, San Diego, CA.
53. Harris, S.*, Proudfoot, N., King-Dowling, S., Di Cristofaro, N., **Brown, D. M. Y.**, Langvee, J., Bray, S. R. & Timmons, B. (2017). Parents' perceptions about preschoolers' energetic play predict intentions but not MVPA [Abstract]. *Journal of Sport and Exercise Psychology*, *39*, S262. Poster presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, San Diego, CA.
54. Langvee, J.*, Harris, S., **Brown, D. M. Y.** & Bray, S. R. (2017). Mental fatigue affects perceived exertion in whole-body cardiovascular exercise [Abstract]. *Journal of Sport and Exercise Psychology*, *39*, S277. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, San Diego, CA.
55. **Brown, D. M. Y.*** & Bray, S. R. (2016). Show me the money! Incentives attenuate effects of cognitive control exertion (mental fatigue) on physical endurance performance [Abstract]. *Journal of Exercise, Movement, and Sport*, *48*, 149. Poster presented at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, Waterloo, ON.
56. **Brown, D. M. Y.*** & Bray, S. (2016). Graded increases in cognitive control exertion reveal a threshold effect on subsequent physical performance [Abstract]. *Journal of Sport and Exercise Psychology*, *38*, S164. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Montreal, ON.
57. **Brown, D. M. Y.*** & Bray, S. (2015). Enjoyment and affective responses to high-intensity interval training and continuous exercise at high and moderate intensities [Abstract]. *Journal of Sport and Exercise Psychology*, *37*, S98. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Portland, OR.
58. **Brown, D. M. Y.***, Teseo, A., Dimmock, J., Jackson, B. & Bray, S. (2015). Autonomous priming increases intrinsic motivation and attitudes towards high-intensity interval training [Abstract]. *Journal*

of Sport and Exercise Psychology, 37, S98. Poster presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Portland, OR.

59. **Brown, D. M. Y.***, Bray, S. R., Beatty, K., & Kwan, M. Y. (2014). Healthy active living: A residence community-based intervention to increase physical activity and healthy eating during the transition to first-year university [Conference Proceedings]. *International Journal of Behavioral Nutrition and Physical Activity*, 2014, P254. Poster presented at the annual meeting of the International Society of Behavioural Nutrition and Physical Activity, San Diego, CA.
60. Bray, S. R.*, Saville, P., **Brown, D. M. Y.**, Martin Ginis, K. A., Cairney, J. C., Pettit, A., & Marinoff-Shupe, D. (2014). Let me show you how confident I am in you?: Effects of a coach communication workshop on youth sport participants' perceptions of RISE and self-efficacy. [Conference Proceedings]. *International Journal of Behavioral Nutrition and Physical Activity*, 2014, P207. Poster presented at the annual meeting of the International Society of Behavioural Nutrition and Physical Activity, San Diego, CA.
61. **Brown, D. M. Y.*** & Bray, S. R. (2014). Executive functioning following an acute bout of exercise: Does a dose-response relationship exist? [Abstract]. *Journal of Exercise, Movement, and Sport*, 46, 97. Paper presented at the annual meeting of the Canadian Society for Psychomotor Learning and Sport Psychology, London, ON.
62. **Brown, D. M. Y.***, Kwan, M. Beatty, K., & Bray, S. (2013). Fighting the freshman 15: Healthy active living during transition to first-year university [Abstract]. *Journal of Sport and Exercise Psychology*, 35, S79. Poster presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, New Orleans, LA.

f) Presentations at non Peer-Reviewed Conferences

Presenting author (s) = *

1. Kwan, M. Y.* & **Brown, D. M. Y.** (2021). Piloting a physical literacy-based intervention targeting first year university students: The PLUS program. Paper presented at the 2021 Sport for Life Canadian Summit, Virtual.
2. **Brown, D. M. Y.***, Graham, J. D., Bremer, E., Bedard, C., Cairney, J. C. & Kwan, M. Y. (2019). Changes in physical literacy mediate intentions to meet physical activity guidelines and may influence physical activity behaviour. Poster presented at the International Physical Literacy Conference, Winnipeg, MB.
3. Flemington, A.*, Svoboda, S., **Brown, D. M. Y.**, Englert, C. & Bray, S. R. (2019). Investigating the relationship between cognitive control exertion and physical performance. Paper presented at the annual meeting of the Eastern Canada Sport & Exercise Psychology Symposium, Vaughn, ON.
4. **Brown, D. M. Y.***, Mahlberg, N., Pohl, D., Timmons, B. W., Bray, S. R., Streiner, D. L., Ferro, M. A., Hamer, S., Rosenbaum, P. L. & Ronen, G.M. (2018). Can behavioral strategies increase physical activity and influence depressive symptoms and quality of life among children with epilepsy? Results of a randomized controlled trial. Paper presented at the McMaster University Annual Neurosciences Research Day, Burlington, ON.
5. **Brown, D. M. Y.*** & Bray, S. (2018). Overcoming the effects of mental fatigue on physical activity with performance monitoring. Paper presented at the annual meeting of the Eastern Canada Sport & Exercise Psychology Symposium, Montreal, QC.

6. **Brown, D. M. Y.***, Bray, S. R. & Ronen, G. (2018) Examining the impact of behavioural counselling on psychosocial mediators for physical activity among children with epilepsy. Paper presented at the 10th annual McMaster University Child Health Research Day, Hamilton, ON.
7. **Brown, D. M. Y.*** & Bray, S. (2017). Effects of mental fatigue on exercise intentions and behaviour. Paper presented at the annual meeting of the Eastern Canada Sport & Exercise Psychology Symposium, Kingston, ON.
8. **Brown, D. M. Y.*** & Bray, S. (2016). Graded increases in cognitive control exertion reveal a threshold effect on subsequent physical performance. Paper presented at the annual meeting of the Eastern Canada Sport & Exercise Psychology Symposium, Hamilton, ON.
9. **Brown, D.M.Y.*** & Bray, S. R. (2014 - March). Executive Functioning Following an Acute Bout of Exercise: A Test of the Transient Hypofrontality Theory. Paper presented at the Eastern Canada Sport & Exercise Psychology Symposium, Toronto, ON.
10. **Brown, D. M. Y.***, Kwan, M. Beatty, K., & Bray, S. (2013). Fighting the Freshman 15: Healthy Active Living during Transition to First-Year University. Paper presented at the Eastern Canada Sport & Exercise Psychology Symposium, St. Catharines, ON.
11. Bray, S. R.*, Saville, P., **Brown, D. M. Y.**, Shears, M., Helie-Masters, C., Martin Ginis, K. A., Cairney, J., et al. (2013). "Let me show you how confident I am in you": Effects of a Coach Communication Workshop on Youth Sport Participants' Perceptions of RISE and Self-efficacy. Paper presented at the 7th Annual Sport Canada Research Initiative Conference, Kanata, ON.
12. Teseo, A.*, Bray., S. R., **Brown, D. M. Y.** (2014). There are 1,440 minutes in a day; Use 20 of them to exercise like this! The impact of autonomous priming on perceptions of high-intensity interval training. Poster presented at the McMaster NeuroXchange Conference, Hamilton, ON.
13. Teseo, A.*, Bray., S. R., **Brown, D. M. Y.** (2014). There are 1,440 minutes in a day; Use 20 of them to exercise like this! The impact of autonomous priming on perceptions of high-intensity interval training. Paper presented at the Ontario Undergraduate Psychology Thesis Conference, Kingston, ON.

g) Invited Talks

1. **Brown, D. M. Y.** (2021 – October). The importance of movement for mental health. Invited talk for Psi Chi International Honor Society in Psychology (University of Texas at San Antonio Chapter), San Antonio, TX, USA.
2. **Brown, D. M. Y.** (2019 – December). Physical activity for children with epilepsy. Invited talk at Brain Hour (McMaster Children's Hospital Department of Pediatrics), Hamilton, ON.

TEACHING EXPERIENCE

a) University of Texas at San Antonio

Undergraduate courses

Instructor: PSY 3403 Experimental Psychology (Fall 2021; Spring 2022; Fall 2022; Spring 2023)
 PSY 4953 Special Studies in Psychology: Psychology of Physical Activity (Fall 2021; Summer 2022; Fall 2022)

b) University of Toronto

Graduate courses

Instructor: MPK4003Y Behavioural Assessment and Interventions (2020)
Co-Instructor: EXS5515H Quantitative Research Methods in Physical Activity and Health (2019)

c) McMaster University

Undergraduate courses

Instructor: KIN 4EE3 Advanced Placement in Kinesiology (2013)
KIN 4H03 Physical Activity Behaviour Change (2021)

d) Brock University

Undergraduate courses

Co-Instructor: CHYS 3P99 Contemporary Issues in Childhood and Youth Studies (2021)

STUDENT TRAINING

a) University of Texas at San Antonio

Ph.D. Supervisor
Claire Groves (2022-)

M.S. Supervisor
Carah Porter (2021-)
Bryce Summerville (2022-)
Isabella Swafford (2022-)
Christopher Huong (2022-)

Formal Ph.D./M.Sc. Thesis Supervisory Committee
Rebecca Kilgore (Ph.D.; 2022-)
James Westphal (M.Sc.; 2022-)

Undergraduate Thesis Supervisory Committee
Enrique Piedra (2022-)

Undergraduate Independent Study
Braden Witham (Fall 2022)

b) University of Toronto

Formal M.Sc. Thesis Supervisory Committee
Dragana Javorina (2018 – 2020)
Undergraduate Research Project
Natasha Bruno (2018-2019)
Undergraduate Thesis
Maggie Chen (2019-2020)

c) McMaster University

Formal M.Sc. Thesis Defense External Examiner
Kira Innes (2019)

Pallavi Dutta (2020)
Daniel Trafford (2022)

Undergraduate Theses

Divya Mendonca (2017-2018), Kate Andrusko (2015-2016), Kira Innes (2015-2016),
Amanda Teseo (2014-2015)

Research Practicum

Bailey Smith (2017-2018), Nilina Mohabir (2017-2018), Renisha Iruthayanathan (2015-2016),
Andrew Beardsall (2015-2016)

d) Brock University

Formal Ph.D./M.Sc. Thesis Supervisory Committee
Joceline Gaffan (M.Sc.; 2022-)

PROFESSIONAL SERVICE & CONTRIBUTIONS

a) Editorial Roles

2023 Editorial Board Member, Mental Health and Physical Activity

2022 Review Editor, Frontiers in Psychology & Frontiers in Sports and Active Living; Movement Science and Sport Psychology Section

b) Ad Hoc Journal Reviewing

2023 (8): The Lancet Psychiatry (1); Mental Health and Physical Activity (2); International Review of Sport and Exercise Psychology (1); Psychology of Sport and Exercise (1); Psychiatry Research (1); International Journal of Sport and Exercise Psychology (1); Communications in Kinesiology

2022 (28): Frontiers in Physiology (3); Pediatric Exercise Science (2); Psychophysiology (1); Mental Health and Physical Activity (3); Journal of Sports Sciences (3); Research Quarterly in Exercise and Sport (1); Motor Control (2); BJPsychOpen (1); Communications in Kinesiology (1); Adapted Physical Activity Quarterly (4); Psychology of Sport and Exercise (3); International Journal of Sport and Exercise Psychology (1); Frontiers in Psychology (3); Sport, Exercise & Performance Psychology (1)

2021 (16): Psychology of Sport and Exercise (1); Journal of Teaching in Physical Education (1); Frontiers in Psychology (1); International Review of Sport and Exercise Psychology (3); Journal of Sport and Exercise Psychology (1); European Journal of Sports Science (1); Mental Health and Physical Activity (3); Sport, Exercise and Performance Psychology (1); Psychophysiology (1); Journal of Science and Medicine in Sport (2); Research Quarterly in Exercise and Sport (1)

2020 (26): Sports Medicine (2); Journal of Sport and Exercise Psychology (3); Psychology of Sport and Exercise (5); Research Quarterly in Sport and Exercise (2); Journal of Cognition (2); Autism (2); Science & Medicine in Football (5); Frontiers in Psychology (2); BMC Public Health (2); Human Factors (1)

2019 (14): Sport, Exercise & Performance Psychology (6); Psychology of Sport and Exercise (2); Scandinavian Journal of Medicine & Science in Sports (1); Journal of Neurology (1); Adapted Physical Activity Quarterly (1); Journal of Motor Behavior (1); Research Quarterly in Sport and Exercise (1); Human Factors (1)

Prior to 2019 (6): Sports Medicine (1); PLoS ONE (1); Journal of Sports Sciences (1); Journal of Sport and Exercise Psychology (2); Psychology of Sport and Exercise (1)

c) Society Administrative Committees

- 2022- Co-Chair, Society for Transparency, Openness, and Replicability in Kinesiology
- 2021 Outreach Committee Member; Society for Transparency, Openness, and Replicability in Kinesiology
- 2021- Physical Activity Special Interest Group Advisory Board Member; Society of Behavioral Medicine
- 2014-2018 Kinesiology Student Research Ethics Committee; McMaster University

d) Conference Committees

- 2017 Organizer, McMaster University Kinesiology Graduate Research Day
- 2016 Conference organization committee project lead, Eastern Canada Sport and Exercise Psychology Symposium

e) Conference Contributions

- 2022 Abstract Reviewer, Society of Behavioral Medicine
- 2019 Organizer & Instructor, Mediation and Moderation Analysis in Kinesiology Workshop Canadian Society for Psychomotor Learning and Sport Psychology conference
- 2019 Invited speaker, Research Panel Discussion International Physical Literacy Conference
- 2019 Invited speaker, Informal Q & A session with postdoctoral fellows and professionals. Eastern Canada Sport and Exercise Psychology Symposium
- 2018 Session moderator, Advances in Mental Health Across the Lifespan. Canadian Society for Psychomotor Learning and Sport Psychology conference

f) Academic Societies

- 2021 - Society for Transparency, Openness, and Replicability in Kinesiology
- 2021 - Society of Behavioral Medicine
- 2021 - International Network of Time-Use Epidemiologists
- 2021 International Society for Physical Activity and Health
- 2021-2022 Society for Improving Psychological Science
- 2020 North American Society for Pediatric Exercise Medicine

- 2013 - North American Society for the Psychology of Sport and Physical Activity
- 2014 - 2019 Canadian Society for Psychomotor Learning and Sport Psychology
- 2014, 2022 - International Society of Behavioral Nutrition & Physical Activity