

# Denver M. Y. Brown, Ph.D.

## Assistant Professor

Director; Infant, Child, and youth Health (INCH) Lab  
School of Health Sciences  
College of Health and Human Sciences  
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**MyNCBI:** <https://www.ncbi.nlm.nih.gov/myncbi/denver.brown.2/bibliography/public/>

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## EDUCATION

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

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| 2021 - 2024 | <b>Assistant Professor</b><br>Department of Psychology<br>Department of Kinesiology (joint appointment)<br>College for Health, Community and Policy<br>The University of Texas at San Antonio |
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## POSTDOCTORAL APPOINTMENTS

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| 2020 - 2021 | <b>Postdoctoral Research Fellow</b> (Behavioral Medicine)<br>Department of Family Medicine<br>McMaster University, ON, Canada<br>Advisor: Dr. Matthew Kwan |
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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:

2025-2027     Kansas IDeA Network of Biomedical Research Excellence Developmental Research Project Program Award  
Principal Investigator: **Brown, D. M. Y.**  
Title: “Using Network Science to Examine Temporal Relationships between 24-Hour Movement Behaviors and Depression During the Transition to College”  
Funds Awarded: \$216,405

2025-2029     Social Sciences and Humanities Research Council of Canada, Insight Grant  
Principal Investigator: Kwan, M. Y. W.  
**Role:** Co-Investigator  
Title: “Sustaining physical activity during Transition into Emerging Adulthood: examining motivational and real-time factors impacting Daily-assessed behaviours - Project STEADY”  
Funds Awarded: \$358,670

2025-2030     Social Sciences and Humanities Research Council of Canada, Partnership Grant  
Principal Investigator: Kwan MYW  
**Role:** Collaborator  
Title: “Building a Pan-Canadian Community of Practice: The Creating Opportunities through Physical Literacy for All Newcomer children and Youth (CO-PLAY) Network”  
Funds Awarded: \$2,500,000

2025-2029     National Institutes of Health, Research Project Award (R01)  
Principal Investigator: Golob, E.  
**Role:** Co-Investigator  
Title: “Testing mechanisms for relations between high-level cognition and perception in normal aging”  
Award Number: 1R01AG086310-01A1  
Funds Awarded: \$1,874,969

2025-2026     Kansas Department of Health and Environment, Maternal Child Health Block Grant  
Principal Investigator: Stoepker, P.  
**Role:** Co-Investigator  
Title: “Examining the effectiveness of a data coaching proves to increase child physical activity, perceived motor competence, and staff physical activity promoting practices: A randomized controlled trial”  
Funds Awarded: \$65,000

2025-2026     Kansas State University  
College of Health and Human Sciences Pilot Project Award  
Principal Investigators: **Brown, D. M. Y.,** Stoepker, P.

Title: “Context Matters: Exploring Physical Activity Patterns Among Rural-Dwelling Children and Youth”  
Funds Awarded: \$10,000

2025-2026      Kansas State University  
Big 12 Faculty Fellowship  
Principal Investigator: **Brown, D. M. Y.**  
Faculty Host (Institution): Buman, M. (Arizona State University)  
Funds Awarded: \$2,500

**c) Past:**

2024-2025      University of Texas at San Antonio: College for Health, Community and Policy Pilot Grant  
Principal Investigator: Francis, J.  
Role: **Co-Principal Investigator**  
Title: Early detection of hypertensive disorders of pregnancy using biomarkers and biosensors  
Funds Awarded: **\$10,000**

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**

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., Hajiaghamemmar, 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              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**

- 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**
- 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	<p>McMaster University SSHRC Explore – Standard Research and Creative &amp; Performing Arts Grant</p> <p>Principal Investigator: Bray, S. R.</p> <p>Co-Principal Investigator: <b>Brown, D. M. Y.</b></p> <p><u>Title</u>: “Overcoming the Effects of Mental Fatigue on Physical Activity with Performance Monitoring”</p> <p>Funds Awarded: <b>\$5,192</b></p>
2017	<p>McMaster University SSHRC Explore – Standard Research and Creative &amp; Performing Arts Grant</p> <p>Principal Investigator: Bray, S. R.</p> <p>Co-Principal Investigator: <b>Brown, D. M. Y.</b></p> <p><u>Title</u>: “Effects of Mental Fatigue on Physical Activity Motivation and Behaviour”</p> <p>Funds Awarded: <b>\$6,927</b></p>
2015	<p>McMaster University SSHRC Explore – Standard Research and Creative &amp; Performing Arts Grant</p> <p>Principal Investigator: Bray, S. R.</p> <p>Co-Principal Investigator: <b>Brown, D. M. Y.</b></p> <p><u>Title</u>: “Effects of Mental Effort and Fatigue on Exercise Performance”</p> <p>Funds Awarded: <b>\$6,444</b></p>

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## FELLOWSHIPS

### a) Past:

2015-2018	<p>Social Sciences and Humanities Research Council of Canada (SSHRC) Joseph-Armand Bombardier SSHRC Doctoral Canada Graduate Scholarship (CGS-D)</p> <p>Funds Awarded: <b>\$105,000.</b></p>
2015-2016	<p>Ontario Graduate Fellowship</p> <p>Funds Declined: <b>\$12,000</b> (due to holding SSHRC CGS-D award)</p>
2014-2015	<p>McMaster University Harry Lyman Hooker Scholarship</p> <p>Funds Awarded: <b>\$24,000</b></p> <p>Funds Declined (2015-2018): <b>\$72,000</b> (due to holding SSHRC CGS-D award)</p>

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## PUBLICATION METRICS

### From Google Scholar:

<u>Citation indices</u>	<u>All</u>	<u>Since 2020</u>
Citations	1819	1700
h-index	23	23
i-10-index	41	41

## PUBLICATIONS

### Lifetime Summary:

a) Refereed Journal Articles – Published, In Press, or Accepted.....	78
b) Book Chapters.....	2
c) Other Contributions.....	3
d) Presentations at Peer-Reviewed Conferences.....	96
e) Invited talks.....	5

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

1. Pfladderer, C. D., Mullane, E., **Brown, D. M. Y.**, Burkart, S., Hunt, E. T., Johnson, A., Parker, H. & Salvo, D. (Accepted). Five-year trends in U.S. child and adolescent 24-hour movement behavior guideline adherence, 2018-2022. *Journal of Activity, Sedentary, and Sleep Behaviors*.
2. **Brown, D. M. Y.**, Meca, A. & Osman, A. (2025). Development of the multidimensional inventory of physical activity identity. *Psychology of Sport and Exercise*. Online ahead of print. <https://doi.org/10.1016/j.psychsport.2025.102990>
3. **Brown, D. M. Y.**, Pfladderer, C. D., Chen, S., Stoeper, P., Bridges Hamilton, C. N., Besenyi, G. M. & Mailey, E. L. (Accepted). Beyond the guidelines: Exploring the prevalence and correlates of no-to-low moderate-to-vigorous physical activity among U.S. adolescents. *Journal of Physical Activity & Health*.
4. Bourke, M., **Brown, D. M. Y.** & Kwan, M. Y. (2025). Lifestyle behavior patterns during the transition from adolescence to emerging adulthood: Associations with mental health and wellbeing. *Emerging Adulthood*. Online ahead of print. <https://doi.org/10.1177/21676968251376750>
5. **Brown, D. M. Y.**, Pfladderer, C. D., Stoeper, P., Chong K. H., Kracht, C. L. & Fairclough, S. J. (Accepted). Device-independent physical activity metrics and adiposity-related indicators among children and adolescents in the United States. *Journal of Sports Sciences*.
6. **Brown, D. M. Y.**, Wing, D., Pfladderer, C. D., Stoeper, P., Fairclough, S. J. & Carlson, J. A. (2025). Considerations in using heart rate-based physical activity estimates from consumer wearables in individuals with varying weight status. *International Journal of Behavioral Nutrition and Physical Activity*, 22, 106. <https://doi.org/10.1186/s12966-025-01801-z>
7. Maher, J. P., Jochim, A. P., Seo, Y., Hudgins, B. L., Khan, I. F., Greco, P., Postlethwait, E. M., Patel, O., Leonard, K., Yang, C. H. & **Brown, D. M. Y.** (2025). Associations between Waking Movement Behaviors and Health-Related Quality of Life in Older Adults: A Compositional Data Analysis Approach. *Journal of Activity, Sedentary, and Sleep Behaviors*, 4, 12. <https://doi.org/10.1186/s44167-025-00080-0>
8. Wang, S., Yang, C-H., **Brown, D. M. Y.**, Cheng, A. & Kwan, M. (2025). Participant compliance with ecological momentary assessment in movement behavior research among adolescents and emerging adults: Systematic review. *JMIR mHealth and uHealth*. Online ahead of print. <https://doi.org/10.2196/52887>
9. St. Germain, L., McKay, B., Tandon, C., Seedu, J., Barbera, L., Carrillo, C., **Brown, D. M. Y.** & Carter, M. (2025). Autonomy-supportive instructional language does not enhance skill acquisition compared to controlling instructional language. *Psychological Research*, 89, 26. <https://doi.org/10.1007/s00426-024-02059-z>

10. Li, J., Chen, Y., Herold, F., Logan, N. E., **Brown, D. M. Y.**, Haegele, J. A., Zhang, Z., Taylor, A., Dastamooz, S., Gerber, M., Kramer, A., Owen, N., Gao, Y. & Zou, L. (2024). Linking 24-hour movement behaviour guidelines to core symptoms and school engagement of youth with moderate/severe ADHD. *Journal of Affective Disorders*. Online ahead of print. <https://doi.org/10.1016/j.jad.2024.12.039>
11. Groves, C., Kwan, M., Witham, B., Faulkner, G. & **Brown, D. M. Y.** (2024). Reallocating time between movement behaviors has implications for post-secondary students' mental health and wellbeing. *Journal of American College Health*, Online ahead of print. <https://doi.org/10.1080/07448481.2024.2422331>
12. Kracht, C. L., Burkart, S., Groves, C. I., Balbim, G. M., Pfladderer, C. D., Porter, C. D., St. Laurent, C. W., Johnson, E. K., & **Brown, D.M. Y.** (2024). 24-hour movement behavior adherence and associations with health outcomes: an umbrella review. *Journal of Activity, Sedentary, and Sleep Behaviors*, 3, 25. <https://doi.org/10.1186/s44167-024-00064-6>
13. O'Rourke, R. H., Arbour-Nicitopoulos, K. P., Voss, C., Martin Ginis, K. A. & **Brown, D. M. Y.** (2024). Differential associations between device-assessed and parent-reported physical activity with indicators of mental health in children and youth with disabilities. *Pediatric Exercise Medicine*. Advance online publication. <https://doi.org/10.1123/pes.2023-0178>
14. **Brown, D. M. Y.**, Porter, C., Huong, C. Groves, I. & Kwan M. (2024). Predictive utility of the Multi-Process Action Control Framework for self-reported and device-measured adolescent physical activity behavior. *Behavioral Sciences*, 14, 841. <https://doi.org/10.3390/bs14090841>
15. Huong, C., Bernstein, E. E., Curtiss, J. E. & **Brown, D. M. Y.** (2024). Network approaches for physical activity and mental health research. *Sport, Exercise & Performance Psychology*. <https://doi.org/10.1037/spy0000371>
16. **Brown, D. M. Y.** & Meca, A. (2024). An examination of the psychometric properties of the Exercise Identity Scale and its adaptation to physical activity. *Measurement in Physical Education and Exercise Science*, 29, 86-97. <https://doi.org/10.1080/1091367X.2024.2401860>
17. Pfladderer, C. D., **Brown, D. M. Y.**, Lanza, K., Hunt, E. T., Porter, C. D., Parker, H., Stoepker, P. & Brazendale, K. (2024). Participation in out-of-school and weekend organized activities and adherence to 24-hour movement guidelines among adolescents in the United States. *American Journal of Preventive Medicine*. <https://doi.org/10.1016/j.amepre.2024.08.016>
18. **Brown, D. M. Y.**, Burkart, S., Groves, C. I., Balbim, G. M., Pfladderer, C. D., Porter, C. D., St. Laurent, C., Johnson, E. K. & Kracht, C. L. (2024). A systematic review of research reporting practices in observational studies examining associations between 24-hour movement behaviors and indicators of health using compositional data analysis. *Journal of Activity, Sedentary and Sleep Behaviors*, 3, 23. <https://doi.org/10.1186/s44167-024-00062-8>
19. Porter, C., Groves, I., Huong, C. & **Brown, D. M. Y.** (2024). Predicting physical activity behavior among university students using the Multi-Process Action Control Framework. *Psychology of Sport and Exercise*, 102716. <https://doi.org/10.1016/j.psychsport.2024.102716>
20. Gonzalez, M. P., **Brown, D. M. Y.**, Swafford, I. M., Summerville, B., Seidi, M., Hajiaghamemer, M. & Dorgo, S. (2024). The effects of mental fatigue on anaerobic power and power endurance performance. *Sports*, 12, 192. <https://doi.org/10.3390/sports12070192>

21. Hunt, E., Brazendale, K., de Moraes, A. C. F., Malkani, R., Heredia, N., Pfladderer, C., **Brown, D. M. Y.**, Hoelscher, D., Beets, M. & Weaver, R. G. (2024). Physical activity levels of U.S. adolescents before and during COVID-19: Findings from a nationally representative sample. *AJPM Focus*, 100253. <https://doi.org/10.1016/j.focus.2024.100253>
22. Harris, S., **Brown, D. M. Y.**, King-Dowling, S., Cairney, J. & Kwan, M. (2024). Examining real-time physical activity in adolescents using the Multi-Process Action Control Model: An ecological momentary assessment study. *Current Issues in Sport Sciences*, 9, 5. <https://doi.org/10.36950/2024.9ciss005>
23. Golob, E. J., Olayo, R. C., **Brown, D. M. Y.** & Mock, J. R. (2024). Relations among multiple dimensions of listening effort in response to an auditory psychomotor vigilance task. *Journal of Speech, Language, and Hearing Research*, 67, 3217-3231. [https://doi.org/10.1044/2024\\_JSLHR-23-00465](https://doi.org/10.1044/2024_JSLHR-23-00465)
24. Richard, V., **Brown, D. M. Y.**, Garcías, S., Almarcha, M., Cairney, J. & Torrents, C. (2024). The exploration of the holistic and complex impacts of Creative Dance on creative potential enhancement. *Journal of Creative Behavior*. <https://doi.org/10.1002/jocb.673>
25. Pfladderer, C. D., **Brown, D. M. Y.**, Ranjit, N., Springer, A. E., Malkani, R. I., Salvo, D., & Hoelscher, D. M. (2024). Examining associations between physical activity context and children meeting daily physical activity guidelines: The role of outdoor play, sports, and other organized activities. *Frontiers in Public Health*, 12. doi: 10.3389/fpubh.2024.1352644
26. 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. (2024). The contribution and interplay of implicit and explicit processes on physical activity behavior: Empirical testing of the physical activity adoption and maintenance model (PAAM). *BMC Public Health*, 24, 1239. <https://doi.org/10.1186/s12889-024-18589-5>
27. Long, J., **Brown, D. M. Y.**, Farrell, J., Gonzalez, M. & Cheever, K. (2024). Relationship between workload, psychological state and sleep in female soccer athletes. *International Journal of Sports Medicine*, 45, 829-836. <https://doi.org/10.1055/a-2304-3694>
28. Porter, C., Kwan, M. Y., Meca, A. & **Brown, D. M. Y.** (2024). Exercise identity and physical activity behavior during late adolescence: A four wave cross-lagged panel model. *Psychology of Sport and Exercise*, 102641. <https://doi.org/10.1016/j.psychsport.2024.102641>
29. Jefferies, P., Kwan, M. Y., **Brown, D. M. Y.**, Bruner, M., Tamminen, K. & Cairney, J. (2024). The Sport Experience Measure for Children and Youth (SEM:CY): A Rasch validation study. *Journal of Sport and Exercise Psychology*, Online ahead of print. <https://doi.org/10.1123/jsep.2023-0168>
30. **Brown D. M. Y.**, Lerner, I., Cairney, J. & Kwan, M. Y. W. (2024). Independent and joint associations of physical activity and sleep on mental health among 220,324 adults in 214 countries. *International Journal of Behavioral Medicine*. Published online ahead of print. <https://doi.org/10.1007/s12529-024-10280-8>
31. Chen, S., **Brown, D. M. Y.**, Parker, K. & Lee E-Y. (2024). Trends in adherence to the 24-Hour Movement Guidelines among US adolescents from 2011 to 2019: Evidence from repeated cross-sectional cycles of the Youth Risk Behaviour Surveillance System. *Scandinavian Journal of Medicine and Science in Sports*, 34, e14609. <https://doi.org/10.1111/sms.14609>



32. Groves, C., Huong, C., Porter, C., Summerville, B., Swafford, I., Witham, B., Hayward, M., Kwan, M. & **Brown, D. M. Y.** (2024). Associations between 24-hour movement behaviors and indicators of mental health across the lifespan: A systematic review. *Journal of Activity, Sedentary and Sleep Behaviors*, 3, 9. <https://doi.org/10.1186/s44167-024-00048-6>
33. Huong, C. & **Brown, D. M. Y.** (2024). Associations between physical activity and subcategories of mental health: A propensity score analysis among a global sample of 341,956 adults. *Mental Health and Physical Activity*, 26, 100586. <https://doi.org/10.1016/j.mhpa.2024.100586>
34. Shirazipour, C. H., Luna-Lupercio, B., Duong, A., Buliung, R., Ross, T., **Brown, D. M. Y.**, Leo, J., Latimer-Cheung, A. & Arbour-Nicitopoulos, K. P. (2024). Understanding the experiences of parents of disabled and non-disabled children at a playground designed for disability inclusion. *Disability & Society*. <https://doi.org/10.1080/09687599.2024.2313704>
35. **Brown, D. M. Y.**, Summerville, B., Fairclough, S., Mielke, G. & Tyler, R. (2024). Associations between intersecting sociodemographic characteristics and device-measured physical activity among children and adolescents living in the United States. *Journal of Physical Activity and Health*. Online ahead of print. <https://doi.org/10.1123/jpah.2023-0360>
36. Haider, I., **Brown D. M. Y.**, Bray, S. R., Dutta, P., Rhodes, R. E. & Kwan, M. Y. W. (2024) Understanding the intention-to-behavior relationship for adolescents: An application of the Multi-Process Action Control Model. *International Journal of Sport and Exercise Psychology*, 22, 52-69. <https://doi.org/10.1080/1612197X.2022.2138496>
37. Cairney, J., Townsend, S., **Brown, D. M. Y.**, Graham, J. D., Richard, V. & Kwan, M. Y. (2023). The golden ratio in baseball: the influence of historical eras on winning percentages in Major League Baseball. *Frontiers in Sports and Active Living*. <https://doi.org/10.3389/fspor.2023.1273327>
38. **Brown D. M. Y.**, Cairney, J., Azimi S., Vandenborn, E., Bruner, M.W., Tamminen, K.A., & Kwan, M. Y. W. (2023). Towards the development of a quality youth sport experience measure: Understanding participant and stakeholder perspectives. *PLoS ONE*, 18, e0287387. <https://doi.org/10.1371/journal.pone.0287387>
39. Fairclough, S., Clifford, L., **Brown D. M. Y.** & Tyler, R. (2023). Characteristics of 24-hour movement behaviours and their associations with mental health in children and adolescents. *Journal of Activity, Sedentary and Sleep Behaviors*, 2, 11. <https://doi.org/10.1186/s44167-023-00021-9>
40. Porter, C., McPhee, P., Kwan, M., Timmons, B. & **Brown, D. M. Y.** (2023). 24-hour movement guideline adherence and mental health: A cross-sectional study of emerging adults with chronic health conditions and disabilities. *Disability & Health Journal*, 101476. <https://doi.org/10.1016/j.dhjo.2023.101476>
41. Kwan, M. Y. W., Kandasamy, S., Graham, J. D., Konopaki, J. & **Brown, D. M. Y.** (2023). Development and evaluation of the IPLAY program: A protocol for a mixed-methods examination of a pilot program targeting newcomer youth. *PLoS ONE*, e0284373. <https://doi.org/10.1371/journal.pone.0284373>
42. Woods, A. D., Gerasimova, D., Van Dusen, B., Nissen, J., Bainter, S., Uzdevaines, A., Davis-Kean, P. E., Halvorson, M., King, K. M., Logan, J. A. R., Xu, M., Vasilev, M. R., Clay, J. M., Moreau, D., Joyal-Desmarais, K., Cruz, R. A., **Brown, D. M. Y.**, Schmidt, K. & Elsherif, M. M. (2023). Best practices for addressing missing data through multiple imputation. *Infant and Child Development*, e2407. <https://doi.org/10.1002/icd.2407>

43. **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>
44. **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>
45. 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.eplepsyres.2022.107035>
46. **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>
47. 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>
48. 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>
49. 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>
50. **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>
51. **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>
52. 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>
53. 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>
54. **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](https://doi.org/10.3389/fnbeh.2021.736587)

55. **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
56. **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
57. **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
58. **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.
59. **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
60. 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 1<sup>st</sup> year student success and mental health and wellbeing. *BMC Public Health*, 21, 59. doi.org/10.1186/s12889-020-10057-0
61. 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
62. **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
63. 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
64. **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
65. 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
66. **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

67. **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
68. **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
69. **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
70. **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
71. **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
72. **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
73. **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
74. **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
75. 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
76. **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
77. **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
78. **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) Book Chapters

1. Meca, A., Allison, K. K., **Brown, D. M. Y.**, & Porter, C. (2023). An overview of athletic identity during adolescence and emerging adulthood. In R. J. R. Levesque (Ed), *Encyclopedia of Adolescence*. Springer. [https://doi.org/10.1007/978-3-319-32132-5\\_826-1](https://doi.org/10.1007/978-3-319-32132-5_826-1)
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* (1<sup>st</sup> ed., pp. 113-133). Routledge. doi:10.4324/9781003176695

#### c) Other Contributions

1. **Brown, D. M. Y.**, Joseph, R., Monroe, C., Petrov, M., Salerno, E., Szeszulski, J. & Lee, R. (2023). Matching behavior and biology: How chronotypes influence your physical activity and sleep. <https://www.sbm.org/healthy-living/matching-behavior-and-biology-how-chronotypes-influence-your-physical-activity-and-sleep>
2. 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/cdit>
3. 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>

#### d) Presentations at Peer-Reviewed Conferences – Published Abstracts

Presenting author (s) = \*

1. Pfladderer, C.D.,\* Parra-Medina, D., Mullane, E., **Brown, D.M.Y.**, Liang, Y., Yin, Z. (2025). Associations between out-of-school activity type and 24-hour movement behaviors among Hispanic children with overweight/obesity: Baseline results from the Health4Kids randomized clinical trial. Poster presented at the Texas Society for Public Health Education (TSOPHE) Conference, San Marcos, TX, USA.
2. St. Laurent, C.W.,\* Moraes Balbim, G., **Brown, D. M. Y.**, Kracht, C.L., Pfladderer, C.D., Groves, C.I., Porter, C.D., Randolph, G.A.T., Rodheim, K., & Burkart, S. (2025). Characterizing Device-Measured Sleep and Health Research Using Compositional Data Analysis: A Systematic Review [Poster abstract]. International Society of Behavioral Nutrition and Physical Activity 2025 Annual Meeting, Auckland, New Zealand.
3. Pfladderer, C. D.,\* Mullane, E., **Brown, D. M. Y.**, Hunt, E. T., Johnson, A. & Salvo, D. (2025). Five-year trends in US child and adolescent 24-hour guideline adherence, 2018-2022. Paper presented at the annual meeting of the Active Living Conference, Manhattan, KS, USA.
4. **Brown, D. M. Y.**\* (2025). Exploring differential associations between physical activity intensity and internalizing problem symptoms in adolescents using network analysis. Abstract presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, South Lake Tahoe, CA, USA.
5. Bourke, M.,\* **Brown, D. M. Y.**, & Kwan, M. Y. K.\* (2025). Mental health: Identifying patterns of lifestyle behaviors during the transition from adolescence to emerging adulthood and their

association with mental health and wellbeing. Poster presented at the annual meeting of the Society of Behavioral Medicine, San Francisco, CA, USA.

6. Wierds, C. M.,\* **Brown, D. M. Y.**, Rhodes, R. E., & Kwan, M. Y. W. (2025). Predictors of dynamic physical activity intention-behavior profiles among adolescents across a one-year span: A multi-process action control approach. Poster presented at the annual meeting of the Society of Behavioral Medicine, San Francisco, CA, USA.
7. Kwan, M. Y. K.,\* Bourke, M. & **Brown, D. M. Y.** (2025). Trajectories of physical activity and mental wellbeing from adolescence to emerging adulthood: Results from parallel group-based trajectory models. Poster presented at the annual meeting of the Society of Behavioral Medicine, San Francisco, CA, USA.
8. Pfladderer, C. D.,\* **Brown, D. M. Y.**, Lanza, K., Hunt, E. T., Porter, C. D., Parker, H., Stoeper, P. & Brazendale, K. (2025). Participation in out-of-school and weekend organized activities and adherence to 24-hour movement guidelines among adolescents in the United States. Poster presented at the annual meeting of the Society of Behavioral Medicine, San Francisco, CA, USA.
9. Porter, C. D.,\* & **Brown, D. M. Y.** (2025). Higher physical activity identity profiles are associated with higher rates of physical activity behavior among college students. Poster presented at the annual meeting of the Society of Behavioral Medicine, San Francisco, CA, USA.
10. Groves, C. I.,\* & **Brown, D. M. Y.** (2025). Modeling the influence of psychological distress and mental well-being on trajectories of physical activity behavior: A growth curve analysis of Apple Watch data. Poster presented at the annual meeting of the Society of Behavioral Medicine, San Francisco, CA, USA.
11. **Brown, D. M. Y.**,\* Groves, C. I., Porter, C. D., & Kwan, M. Y. W. (2025). Investigating reflexive processes as predictors of physical activity maintenance among college students. Paper presented in symposium “Understanding physical activity maintenance theories in behavior change research” at the annual meeting of the Society of Behavioral Medicine, San Francisco, CA, USA.
12. **Brown, D. M. Y.**,\* Huong, C., Brazendale, K., Newsome, A. & Kwan, M. Y. K. (2025). Day-to-day fluctuations in physical activity behavior during the transition from high school to college. Poster presented at the annual meeting of the Society of Behavioral Medicine, San Francisco, CA, USA.
13. **Brown, D. M. Y.**,\* Hunt, E. T., Pfladderer, C. D., De Moraes, A. C. F., Porter, C. D. & Groves, C. I. (2025). Prospective associations between device-assessed 24-hour movement behaviors and anxiety/depressive symptom severity among US adolescents: Compositional data analysis using the ABCD Study. Paper presented at the annual meeting of the Society of Behavioral Medicine, San Francisco, CA, USA.
14. De Moraes, A. C. F., Hunt, E. T., Brown, D. M. Y., Szeszulski, J. S., De Mello, G. T. & Nascimento-Ferreira, M. V. (Forthcoming). Long-Term Effects of Physical Activity, Sleep, and Screen-Time on Hypertension Incidence in Adolescents – ABCD Study. Abstract presented at the 2024 AHA Epi Lifestyle Conference, New Orleans, LA, USA.
15. Astorga, G. H.,\* **Brown, D. M. Y.**, Ronen, G. M. (2024). Physical activity in young people with Epilepsy: Co-design and development of a web app. Poster presented at the 2024 annual meeting of the American Epilepsy Society, San Diego, CA, USA.

16. Pfladderer, C. D., Morgan, K., Ryom, K., Salvo, D. & **Brown, D. M. Y.** (2024). Global perspectives on environmental determinants of physical activity across the lifespan. Symposium presented at the annual meeting of the International Society of Behavioral Nutrition and Physical Activity, Omaha, NE, USA.
17. **Brown, D. M. Y.**,\* Pfladderer, C. D., Stoepker, P., Chong K. H., Kracht, C. L. & Fairclough, S. J. (2024). Monitor-independent measures of physical activity volume and intensity are associated with adiposity indicators among children and adolescents in the US. Paper presented at the annual meeting of the International Society of Behavioral Nutrition and Physical Activity, Omaha, NE, USA.
18. **Brown, D. M. Y.**,\* Huong, C. & Kwan, M. Y. (2024). Longitudinal predictors of adolescent physical activity behavior: A cross-lagged panel network analysis using the Multi-Process Action Control framework. Paper presented at the annual meeting of the International Society of Behavioral Nutrition and Physical Activity, Omaha, NE, USA.
19. Swafford, I.,\* Huong, C., **Brown, D. M. Y.** (2024). Interactive effects of adverse childhood experiences, sports, and sex on anxiety and depression in adolescents. Poster presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.
20. Porter, C.D., Groves, C.I., & **Brown, D.M.Y.** (2024). Cross-sectional associations between 24-hour movement compositions and mental health among college students. Poster presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.
21. Huong, C.,\* Groves, C., **Brown, D. M. Y.** (2024). Temporal dynamics of physical activity and specific mental health symptoms. Poster presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.
22. Summerville, B.\* & **Brown, D. M. Y.** (2024). Motivational correlates of physical activity identity and behavior among Hispanic adolescents. Poster presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.
23. **Brown, D. M. Y.**,\* Pfladderer, C. D., Besenyi, G. M., Bridges Hamilton, C. N., Salvo, D., Ganzar, L. A., Malkani, R. & Hoelscher, D. M. (2024). Neighborhood conditions and resources are associated with active commuting to school among adolescents living in Texas. Poster presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.
24. **Brown, D. M. Y.**,\* Porter, C., Groves, C., Yin, Z., Akopian, D., Liang, Y. & Parra-Medina, D. (2024). Longitudinal relationships between parental support and physical activity among Hispanic children with overweight/obesity. Poster presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.
25. Groves, C., Porter, C., **Brown, D. M. Y.** (2024). Sex-based differences in 24-hour movement behaviors in a Hispanic-majority sample of adolescents. Poster presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.
26. Groves, C., Pigg, M., Porter, C., **Brown, D. M. Y.** (2024). 24-hour movement guideline adherence and mental health among a Hispanic-majority sample of adolescents. Poster presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.
27. De Mello, G.,\* **Brown, D. M. Y.**,\* Salerno, L.,\* **Schuchardt-Vogt, C.**,\* Szeszulski, J.\* & Lee, R.\* (2024). Best practices for conducting efficient systematic reviews: An example from physical activity

research. Pre-conference course presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.

28. Porter, C.,\* Kwan, M. Y., Meca, A., Hale, W. & **Brown, D. M. Y.** (2024). Physical Activity and Identity During Late Adolescence: A Four Wave Cross-Lagged Panel Model. Poster presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.
29. Porter, C.,\* Groves, I. & **Brown, D. M. Y.** (2024). Predicting Device-Measured Physical Activity Behavior in College Students: Application of the Multi-Process Action Control Framework Approach with Device Measured Physical Activity. Poster presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.
30. **Brown, D. M. Y.**,\* Porter, C., Groves, I., Huong, C. & Kwan M. (2024). Predictive Utility of the Multi-Process Action Control Framework for Self-Reported and Device-Measured Adolescent Physical Activity Behavior. Poster presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.
31. Pfledderer, C.,\* **Brown, D. M. Y.**, Ranjit, N., Springer, A. & Hoelscher, D. (2024). Examining associations between physical activity context and children meeting physical activity guidelines: The role of outdoor play and organized sports. Poster presented at the annual meeting of the Society of Behavioral Medicine, Philadelphia, PA, USA.
32. Pfledderer, C.,\* Hunt, E., Prochnow, T., **Brown, D. M. Y.** & Springer, A. (2024). Urban-rural differences in overweight and obesity, 24-hour movement guideline adherence, and neighborhood environments among children in the United States: Evidence from a national survey. Poster presented at the annual meeting of the American Public Health Association, Atlanta, GA, USA.
33. Cheever, K.\* & **Brown, D. M. Y.**\* (2023). Daily psychological readiness, fatigue, and tissue stress monitoring: A data driven approach to injury prevention. Verbal presentation at the annual meeting of the National Athletic Trainers' Association, Indianapolis, IN, USA.
34. Gonzalez, M. P., **Brown, D. M. Y.**, Swafford, I. M., Summerville, B., Seidi, M., Hajiaghamemeri, M. & Dorgo, S. (2023). The effect of mental fatigue on squat jump and repeated jump performance in collegiate volleyball players. Paper presented at the annual meeting of the National Strength and Conditioning Association, Las Vegas, NV, USA.
35. **Brown, D. M. Y.**\*, Meca, A. (2023). An examination of the psychometric properties of the Exercise Identity Scale and its adaptation to physical activity. Poster presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Toronto, ON, Canada.
36. **Brown, D. M. Y.**\*, Meca, A. & Osman, A. (2023). Development of the multidimensional inventory of physical activity identity. Poster presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Toronto, ON, Canada.
37. Jekauc, D.\*, Gurdere, 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. (2023). A multinational study to test the hypotheses of the physical activity adoption and maintenance model (PAAM). Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Toronto, ON, Canada.



38. Huong, C.\*, Coyle, T. & **Brown, D. M. Y.** (2023). Comparing network structures of depressive symptoms and covariates between females and males in a large cross-sectional sample. Poster presented at the Association for Psychological Science Annual Convention, Washington, D.C., USA.
39. Groves, C.\*, Witham, B., Huong, C., Porter, C., Summerville, B., Swafford, I., Hayward, M., Kwan, M. & **Brown, D. M. Y.** (2023). Optimal combinations of 24-hour movement behaviors for mental health across the lifespan: A systematic review. Poster presented at the 44<sup>th</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
40. Summerville, B.\*, Fairclough, S., Mielke, G., Tyler, R. & **Brown, D. M. Y.** (2023). Social determinants of device-measured physical activity among US children and adolescents. Poster presented at the 44<sup>th</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
41. Swafford, I. & **Brown, D. M. Y.** (2023). 11-Year trends in internalizing disorders and treatment according to college students' organized sport involvement. Poster presented at the 44<sup>th</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
42. St. Laurent, C.,\* Burkhardt, S.,\* Pfladderer, C.,\* & **Brown, D. M. Y.\*** (2023). Compositional Approaches for 24-Hour Movement Behavior Data Analysis: Opportunities to Rethink Standard Methods. Symposium presented at the 44<sup>th</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
43. **Brown, D. M. Y.**, Prochnow, T. & Liu, S. (2023). Dyadic influences on physical activity behavior among first-year college roommates: A feasibility study. Paper presented in Symposium "Implementing mobile health interventions and observational studies using a "no-code" app development platform" at the 44<sup>th</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
44. Huong, C. & **Brown, D. M. Y.** (2023). Cross-sectional associations between regular physical activity and domains of mental health in a global sample of young adults. Poster presented at the 44<sup>th</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
45. Porter, C. & **Brown, D. M. Y.** (2023). Predicting Physical Activity Behavior Among College Students Using the Multi-Process Action Control Model. Poster presented at the 44<sup>th</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
46. **Brown, D. M. Y.\*** & Hale, W. (2023). Temporal dynamics of physical activity and psychological distress from adolescence to adulthood: A 16-year panel study. Paper presented at the 44<sup>th</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
47. Kwan, M. Y. K.,\* King-Dowling, S., & **Brown, D. M. Y.** (2023). Trajectories of Physical Activity Behaviors During the Transition into Emerging Adulthood: Results from the ADAPT Study. Paper presented at the 44<sup>th</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.
48. Luna-Lupercio, B., Shirazipour, C. H., Duong, A., Buliung, R., Ross, T., **Brown, D. M. Y.**, Leo, J., Latimer-Cheung, A. & Arbour-Nicitopoulos, K. P. (2023). Understanding the experiences of parents of disabled and able-bodied children at playgrounds designed for disability inclusion. Poster presented at the 44<sup>th</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Phoenix, AZ, USA.

49. Wilfred, A. M., Humphreys, C., Patterson, S., **Brown, D. M. Y.**, Pohl, D., Moyes, C., Rosenbaum, P. & Ronen, G. (2023). Being physically active with epilepsy: Insights from young people and their parents. Paper presented at the annual meeting of the annual meeting of the International Society of Quality of Life, Prague, Czech Republic.
50. 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.
51. 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 14<sup>th</sup> International Developmental Coordination Disorder Conference, Vancouver, ON, Canada.
52. **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.
53. 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.
54. 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.
55. 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.
56. **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.
57. **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 43<sup>rd</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Baltimore, MD, USA.
58. 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 43<sup>rd</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Baltimore, MD, USA.
59. 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 43<sup>rd</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Baltimore, MD, USA.

60. **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.
61. **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.
62. **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.
63. 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.
64. 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.
65. Haider, 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.
66. **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.
67. **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.
68. 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.
69. **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 42<sup>nd</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Virtual Conference.
70. 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 42<sup>nd</sup> annual meeting and scientific session of the Society for Behavioral Medicine, Virtual Conference.

71. 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.
72. **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.
73. 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.
74. **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.
75. **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.
76. **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.
77. **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.
78. 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.
79. 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.
80. 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.
81. **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.

82. **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.
83. **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.
84. 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.
85. **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.
86. **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.
87. 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.
88. 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.
89. **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.
90. **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.
91. **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.

92. **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.
93. **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.
94. 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.
95. **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.
96. **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.

#### e) Invited Talks

1. **Brown, D. M. Y.** (2025 – May). Understanding Physical Activity Through Life Transitions: Determinants and Mental Health Impacts. Precision Health Research Group, Arizona State University.
2. **Brown, D. M. Y.** (2025 – March). Understanding Youth Physical Activity: Determinants and Mental Health Impacts. International Centre for Applied Research with Children, Young People, Pregnant women and families (iCare), Edge Hill University.
3. **Brown, D. M. Y.** (2023 – April). Being active with epilepsy. Invited talk at Texas Pediatric Neuroscience Conference, San Antonio, USA.
2. **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.
3. **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) Kansas State University

#### Undergraduate courses

Instructor: KIN 312 Methods and Analysis of Public Health (Fall 2024, 2025)  
KIN 594 Sport & Exercise Psychology (Spring 2025)  
KIN 606 Physical Activity & Mental Health (Fall 2025)

### b) University of Texas at San Antonio

#### Graduate courses

Instructor: PSY 6373 Open and Reproducible Methods in Psychological Science (Fall 2023)

#### 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)

### c) University of Toronto

#### Graduate courses

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

Guest Lecture: EXS5513H Current Issues in Exercise Psychology (2019)  
Theoretical advances in self-regulation  
MPK4003Y Behavioural Assessment and Interventions (2019)  
Population level physical activity interventions

#### Undergraduate courses

Guest Lecture: KPE 330 Advanced Exercise Psychology (2019)  
Strategies for sustainable healthy behaviour change

### d) McMaster University

#### Undergraduate courses

Instructor: KIN 4EE3 Advanced Placement in Kinesiology (2013)  
KIN 4H03 Physical Activity Behaviour Change (2021)  
Guest Lecture: KIN 3H03 Exercise Psychology (2018, 2019)  
Self-regulation of physical activity  
KIN 3V03 Sport Psychology (2014, 2016, 2017, 2018)  
Leadership theory  
Transformational leadership  
Leadership training  
KIN 4H03 Physical Activity Behaviour Change (2015)  
Interventions with special populations

#### Graduate courses

Guest Lecture: KIN 701 Statistical Methods in Kinesiology (2016)  
Analysis of covariance  
Guest Lecture: KIN 701 Statistical Methods in Kinesiology (2020)

**e) Brock University**

Undergraduate courses

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

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**PEDAGOGICAL DEVELOPMENT**

**2023** Credential in Effective College Instruction, Association of College and University Educators

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**STUDENT TRAINING**

**a) Kansas State University**

Ph.D. Supervisor

Carah Porter (2024-)

**b) University of Texas at San Antonio**

Ph.D. Supervisor

Carah Porter (2023-2024)

Claire Groves (2022-2025)

M.S. Supervisor

Carah Porter (2021-2023)

Bryce Summerville (2022-2024)

Isabella Swafford (2022-2024)

Christopher Huong (2022-2024)

Formal Ph.D./M.Sc. Thesis Supervisory Committee

Rebecca Kilgore (Ph.D.; 2022-2023)

Joceline Gaffan (M.Sc.; 2022-2023)

James Westphal (M.Sc.; 2022)

Undergraduate Thesis Supervisory Committee

Enrique Piedra (2022)

Undergraduate Independent Study

Madisyn Pigg (2023)

Braden Witham (2022)

Carter McCray (2022)

**c) 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)



**d) 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)

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**PROFESSIONAL SERVICE & CONTRIBUTIONS**

**a) Editorial Roles**

- 2024 -** Editorial Board Member, Sport, Exercise and Performance Psychology
- 2024 -** Editorial Board Member, Journal of Physical Activity and Health
- 2023 -** Editorial Board Member, Journal of Activity, Sedentary and Sleep Behaviors
- 2023 -** Editorial Board Member, Mental Health and Physical Activity
- 2022** Review Editor, Frontiers in Sports and Active Living: Sport Psychology Section
- 2023** Review Editor, Frontiers in Psychology: Health Psychology Section

**b) Ad Hoc Journal Reviewing**

**2025 (6):** Psychology of Sport and Exercise (2); Journal of Physical Activity & Health (3); Journal of Activity, Sedentary and Sleep Behaviors (1)

**2024 (16):** Stress and Health (2); Sport, Exercise & Performance Psychology (3); International Journal of Behavioral Medicine (1); Mental Health and Physical Activity (3); Journal of Behavioral Medicine (2); Journal of Activity, Sedentary and Sleep Behaviors (1); Psychology of Sport and Exercise (2); Journal of Physical Activity and Health (1); BMC Medicine (1)

**2023 (20):** The Lancet Psychiatry (1); Mental Health and Physical Activity (7); International Review of Sport and Exercise Psychology (2); Psychology of Sport and Exercise (1); Psychiatry Research (1); International Journal of Sport and Exercise Psychology (2); Communications in Kinesiology (1); Sport, Exercise and Performance Psychology (1); Journal of Sports Sciences (2); Psychological Medicine (1); Journal of Behavioral Medicine (1); Psychology & Health (1);

**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) Ad Hoc Grant Reviewing**

2025 (Spring) NIH Lifestyle Change and Behavioral Health (Early Career Reviewer Program)

#### **d) Society Administrative Committees**

2025-	Incoming Chair, Physical Activity Special Interest Group; Society of Behavioral Medicine
2022-2023	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

#### **e) Conference Committees**

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

#### **f) Conference Contributions**

2022-Present	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

**g) Academic Societies**

- 2021 - 2023    Society for Improving Psychological Science
  
- 2021 -         Society for Transparency, Openness, and Replicability in Kinesiology
  
- 2021 -         Society of Behavioral Medicine
  
- 2021           International Society for Physical Activity and Health
  
- 2021 -         International Network of Time-Use Epidemiologists
  
- 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