

## PENELOPE MARGARET ANN BRASHER

### CONTACT INFORMATION

Centre for Clinical Epidemiology & Evaluation  
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**Expertise:** biostatistics, clinical trial methodology, data wrangling, record linkage

### Degrees

- PhD **Biostatistics.** The University of Toronto. Department of Preventive Medicine & Biostatistics. Supervisor: Robert Tibshirani
- MSc **Statistics.** The University of Western Ontario. Department of Statistical & Actuarial Sciences. Supervisor: Ian MacNeill
- BSc **Applied Mathematics.** The University of Western Ontario. Department of Applied Mathematics.

### Employment

- 2023/01 – present **Director.** Centre for Clinical Epidemiology & Evaluation, Vancouver Coastal Health Research Institute
- 2018/02 – 2022/12 **Co-Director.** Centre for Clinical Epidemiology & Evaluation, Vancouver Coastal Health Research Institute
- 2005/09 – present **Senior Scientist / Biostatistician.** Centre for Clinical Epidemiology & Evaluation, Vancouver Coastal Health Research Institute
- 2004/07 – 2005/06 **Adjunct Associate Professor/Instructor.** Department of Community Health Sciences, The University of Calgary
- 1991/01 – 2004/06 **Adjunct Assistant Professor.** Department of Community Health Sciences, The University of Calgary
- 1990/11 – 2004/06 **Research Scientist.** Division of Epidemiology, Prevention & Screening, Alberta Cancer Board

### Selected Publications

1. Mikolic A, **Brasher PM**, Brubacher J, Panenka WJ, Scheuermeyer FX, Archambault P, Khazei A, Silverberg ND. External validation of the Post-Concussion Symptoms (PoCS) Rule for predicting mild traumatic brain injury outcome. *J Neurotrauma*. 2024 Jan 16. doi: 10.1089/neu.2023.0484. Epub ahead of print.
2. Ashe MC, Grover S, Bryan S, Cook W, Donaldson MG, **Brasher PMA**. Perceived Health Status and Capability after Hip Fracture: Secondary Outcomes from an RCT. *Gerontology*. 2024 Jan 5. doi: 10.1159/000536131. Epub ahead of print.

3. Kuramoto LK, Sobolev BG, Rosner J, **Brasher PMA**, Azoulay L, Cragg JJ. A systematic, concept-based method of developing exposure measure for drug safety and effectiveness studies. *Pharmacoepidemiol Drug Saf* 2022;31(1):13-21. doi: 10.1002/pds.5372
4. Silverberg ND, Cairncross M, **Brasher PMA**, Vranceanu AM, Snell DL, Yeates KO, Panenka WJ, Iverson GL, Debert CT, Bayley MT, Hunt C, Baker A, Burke MJ. Feasibility of concussion rehabilitation approaches tailored to psychological coping styles: a randomized controlled trial. *Arch Phys Med Rehabil*. 2022;103(8):1565-1573.e2. doi: 10.1016/j.apmr.2021.12.005.
5. Hau JP, **Brasher PMA**, Cragg A, Small W, Wickham M, Hohl C. Using ActionADE to create information continuity to reduce re-exposure to harmful medications: study protocol for a randomized controlled trial. *Trials* 2021;22(1):119 doi: 10.1186/s13063-021-05061-7

### Current Research Funding

1. Griesdale DEG, Thiara S, Sekhon MS, Silverberg N, Stukas S, Wellington C, Hoiland R, Moien Afshari F, Ainslie P, **Brasher PM**, Heran M. "Characterization of cerebral blood flow and neurological injury in severe acute respiratory distress syndrome and the implications of venovenous extracorporeal membrane oxygenation" Heart & Stroke Foundation of Canada Grant in Aid. 07/2023 – 06/2026: \$258,230.00
2. Silverberg N, Baker AJ, Baylem MT, **Brasher PMA**, Burke MJ, Cairncross M, Debert CT, Hunt CL, Panenka WJ, Snell DL, Vranceanu AM, Yeates KO. "Graded exposure therapy for fear avoidance behaviour (GET FAB) after concussion." CIHR: Project Grant Oct.2021 – Sep.2025: \$995,00.00.
3. Silverberg N, Archambalut P, **Brasher PMA**, Brubacher JR, Li LC, Lizotte PP, Paneka WJ, Scheuermeyer F. "Mobilizing early management of mental health complications after mild traumatic brain injury (M4)" CIHR: Project Grant Apr.2020 - Mar.2024: \$749,700.00.
4. Hohl CM, Balka E, **Brasher PM**, Mitton CR. "Implementing ActionADE to Transform Medication Safety." CIHR: Team Grant (SPOR iCT Rewarding Success - Phase 3), Apr.2019 - Mar.2023: \$2,400,000.00.

**TRAINEES to date:** 10 (3 Ph.D., 7 M.Sc.)