

**PUBLIC CV**

**Alan M. Batt**

PhD, PGCME, MAcadMEd, FHEA

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## A. Education

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**Membership** of the Academy of Medical Educators (MAcadMED), UK.

**Ph.D.**, Department of Paramedicine, Monash University, VIC, Australia.  
Thesis: [Developing competency frameworks in healthcare professions.](#)

**Fellowship** of the Higher Education Academy (FHEA), UK.

**Postgraduate Certificate** in Medical Education, School of Medical Education, Newcastle University, England, UK.

**Certificate** in Disaster Management, International Federation of Red Cross and Red Crescent Societies and Jamsetji Tata School of Disaster Studies ([Cohort VII](#)), TISS, Mumbai, India.

**M.Sc.** in Critical Care (*distinction*), School of Medicine, Cardiff University, Wales, UK.  
Thesis: [The impact of STEMI Bypass in Ras al-Khaimah, United Arab Emirates.](#)

**Graduate Certificate** in Intensive Care Paramedic Studies (*high distinction*), School of Biomedical Sciences, Charles Sturt University, NSW, Australia.

**Certificate** in Critical Care Paramedic Studies, Creighton University, NE, USA.  
Internship: Creighton University Medical Centre, NE, USA.

**Diploma** in Emergency Medical Technology (*distinction*), Centre for Emergency Medical Science, University College Dublin, Dublin, Ireland.  
Internships: National Ambulance Service, West and Mid-West Regions, Ireland.

## B. Professional Appointments

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**Paramedicine Program Lead** (Grade 12/Executive Director)  
Faculty of Health Sciences, Queen's University, ON, Canada.

**Assistant Professor** (Level C, status)  
Institute of Health Policy, Management and Evaluation, University of Toronto, ON, Canada.

**Adjunct Senior Lecturer** (Level C)  
Department of Paramedicine, Monash University, VIC, Australia.

*Other appointments*

**Deputy Editor**  
Paramedicine, Australasian College of Paramedicine, Australia.

**Scientist**  
McNally Project for Paramedicine Research, ON, Canada.

## C. Professional Licensure and Registration

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**Paramedic**, Health and Care Professions Council, UK

**Paramedic** (AEMCA), Ministry of Health and Long-Term Care, Ontario

**Paramedic Practitioner**, Pre-Hospital Emergency Care Council, Ireland

## D. Grants and Funding

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### Summary of lifetime funding

Total funding awarded - all roles:	\$1,008,095
Total funding awarded - principal investigator/applicant:	\$571,320
Total funding awarded - co-investigator/co-applicant:	\$436,775
Total funding in progress - all roles	\$407,909
Total funding in application - all roles:	\$4,126,000

## E. Honours, Awards, and Scholarships

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- 2024 **Best EMS Professional Research Presentation.** National Association of EMS Physicians Annual Meeting, January 2024. Co-Investigator: *Mausz et al. Violence Against Paramedics: Findings from a Mixed Methods Research Program*
- 2023 **Top oral abstract award,** Canadian Donation and Transplantation Research Program, December 2023. Supervisor: *Lanos et al. Organ donation after out-of-hospital cardiac arrest in Canada.*
- 2023 **'Best of the best' Highest Quality Research Award,** Australasian College of Paramedicine International Conference, September 2023. Principal Investigator: *Batt et al. Developing a competency framework for contemporary paramedic practice in Canada.*
- 2023 **Best oral abstract,** Canadian Paramedicine Research Day, May 2023. Co-Investigator: *Mausz et al. Violence Against Paramedics: Findings from a Mixed Methods Research Program.*
- 2023 **Top 3 Canadian Paramedicine Research Papers,** Canadian Paramedicine Research Day, May 2023. Supervisor: *Bolster et al. The paramedic role in substance use: a scoping review.*
- 2023 **High Altmetric Score Award,** British Journal of Surgery. Principal Investigator: *Batt et al. CONFERD-HP: Recommendations for reporting competency framework development in healthcare professions.*
- 2022 **Research Publication Award – HDR student,** Department of Paramedicine, Monash University, Australia. Principal Investigator: *Batt et al. CONFERD-HP: Recommendations for reporting competency framework development in healthcare professions.*
- 2022 **Top EMS Research Award,** Dalhousie University EMS Research Day, October 2022. Supervisor: *Bolster et al. The paramedic role in substance use: a scoping review.*
- 2022 **'Best of the best' Highest Quality Research Award,** Australasian College of Paramedicine International Conference, September 2022. Co-Investigator: *Shannon et al. Developing community paramedicine: a restricted review.*
- 2021 **Research Impact Award – HDR student,** School of Primary and Allied Health Care, Monash University.
- 2021 **Best oral abstract,** Alberta EMS and Paramedicine Research Day, May 2021. Supervisor: *Lunn et al. Dealing with dying- progressing paramedics' role in grief support.*

- 2019 **3rd place** in Community and Health Innovation, Fanshawe Research & Innovation Day, March 2019. Supervisor: *A Cochrane et al. Paramedic students' attitudes towards homelessness.*
- 2018 **Health Education Research Scholarship**, Monash Centre for Scholarship in Health Education (MCSHE), Monash University, Australia. \$1,500.
- 2018 **Paramedic Award of Excellence**, County of Renfrew Paramedic Service, Canada.
- 2018 **Best oral abstract**, Irish College of Paramedics Scientific Symposium, Cork, Ireland. Supervisor: *Crosetta et al. Strategies for incorporating patient safety education in paramedic education using the IHI Open School.*
- 2018 **Award of Excellence for Leadership & Community Building**, Paramedic Association of Canada, Canada.
- 2018 **President's Award Commendation**, Paramedic Association of Canada, Canada.
- 2018 **Outstanding Reviewer Award**, Elsevier.
- 2017 **Leadership and Organizing for Change Course Academic Scholarship**, Institute for Healthcare Improvement, USA. \$750.
- 2017 **Doctoral Student Scholarship**, Department of Paramedicine, Monash University, Australia. \$140,000
- 2017 **Research Mentor Award Finalist**, Canadian EMS Research Network, Canada.
- 2017 **Best oral presentation: second place**, EMS Gathering 2017, Kinsale, Ireland. Principal Investigator: *Batt et al. Translating the evidence: STEMI bypass in the Middle East.*
- 2016 **Research Scholarship**, National Association of EMS Educators, USA. \$1,000.
- 2016 **Best oral presentation: second place**, EMS Gathering 2016, Killarney, Ireland. Co-Investigator: *Ward et al. Facilitating Paramedic Continuous Professional Competency: The #IrishEMS chat.*
- 2016 **Best poster: second place**, Middle East Patient Safety and Quality Congress, UAE. Co-Investigator: *Mohammed et al. Implementation of an Electronic Medication Inventory System in Pre-Hospital Services to Improve Patient Safety and Quality.*
- 2015 **Best poster: winner**, Middle East Patient Safety and Quality Congress, UAE. \$2,000. Principal Investigator: *Batt et al. Impact of a pain management education intervention for prehospital care providers.*
- 2009 **Long-service award (15 years)**, Irish Red Cross, Ireland.
- 2009 **Clinical Commendation**, National Ambulance Service, Ireland.
- 2008 **Trainer of winning team**, National Ambulance Competition, Irish Red Cross, Ireland.
- 2005 **Nursing Student Education Bursary**, Novartis, Ireland. \$500.
- 2004 **Oncology Scholar Travel Award**, Irish Cancer Society, Ireland. \$2,000.
- 2003 **Member of winning team**, National Ambulance Competition, Irish Red Cross, Ireland.

## F. Publications

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Copies of all publications are available on my [ResearchGate](#) profile. Direct links to DOI, full texts, and PMID are provided below. Journal Citation Report or Scimago Journal Ranking quartile (Q), impact factor (IF), and discipline ranking at time of publication is also indicated where applicable from 2020 onward. A summary of alt-metrics (reads, AM score), citations, and media mentions is provided where available (alt-metrics last updated October 2023).

### Lifetime publications (published and accepted)

2023

1. Bolster, JL; **Batt, AM**. Analysis of Drug Use-Related Curriculum Documents for Paramedic Students in British Columbia. *Cureus Journal of Medical Science*. 2023;15(11):e48515. <https://doi.org/10.7759/cureus.48515>. [Q3; IF 1.2; 174/327 - Medicine, General & Internal] 473 reads.
2. Eastwood, K; Johnson, M; Williams, J; **Batt, AM**; Tavares, W. Paramedicine: An evolving identity. *Paramedicine*. 2023;0(0). <https://doi.org/10.1177/27536386231203401>. [Q2; 3/9 - Emergency Medical Services] 755 reads.
3. Mausz, J; Johnston, M; Arsenau-Bruneau, D; **Batt, AM**; Donnelly, E. Prevalence and Characteristics of Violence Against Paramedics in a Single, Canadian Site. *International Journal of Environmental Research and Public Health*. 2023;20(17):6644 <https://doi.org/10.3390/ijerph20176644>. [Q1; IF 4.61; 45/182 - Public, Environmental & Occupational Health] PMID: 37681784; 1,483 reads, AM score 15.
4. Shannon, B; **Batt, AM**; Eaton, G; Leyenaar, M; O'Meara, P; Barry, T; Lanos, C; Wingrove, G; Williams, B; Nolan, M; Carney, R; Heffern, J; Bowles, KA. The advantages and challenges experienced with the implementation and delivery of community paramedicine programs: A qualitative reflexive thematic analysis. *Paramedicine*. 2023;20(5) <https://doi.org/10.1177/27536386231188595>. [Q2; 3/9 - Emergency Medical Services] 852 reads.
5. Johnston, T; Beaumont-Boileau, R; Acker, J; **Batt, AM**. Barriers and enablers to implementing intranasal ketamine for Primary Care Paramedics in Canada - a parallel convergent mixed methods study. *Paramedicine*. 2023;20(5) <https://doi.org/10.1177/27536386231174097>. [Q2; 3/9 - Emergency Medical Services] 678 reads.
6. Brydges, M and **Batt, AM**. Untangling the web: the need for theory, theoretical frameworks, and conceptual frameworks in paramedic research. *Paramedicine*. 2023;20(4):89-93. <https://doi.org/10.1177/27536386231177348>. [Q1; 2/8 - Emergency Medical Services] 1,063 reads.
7. **Batt, AM**; Tavares, W; Horsley, T; Rich, JV; Williams, B; and the CONFERD-HP collaborators. CONFERD-HP: Recommendations for reporting competency framework development in healthcare professions. *British Journal of Surgery*. 2023;110(2):233-241 <https://doi.org/10.1093/bjs/znac394> [Q1; IF 11.78; 5/213 - Surgery] PMID: 36413510; 1,508 reads, 2 citations, AM score 27.
8. Bolster, JL; Armour, R; O'Toole, M; Lysko, M; **Batt, AM**. The paramedic role in caring for people who use illicit and controlled drugs: a scoping review. *Paramedicine*. 2023;20(4):117-127. <https://doi.org/10.1177/27536386231171813>. [Q1; 2/8 - Emergency Medical Services] 1,632 reads, 1 citation.

2022

9. Bolster, JL; Pithia, P; **Batt, AM**. Emerging concepts in the paramedicine literature to inform the revision of a pan-Canadian competency framework for paramedics: a restricted review. *Cureus Journal of Medical Science*. 2022;14(12):e32864. <https://doi.org/10.7759/cureus.32864>. [Q3; IF 1.2;

174/327 - Medicine, General & Internal] PMID: 36699791; 1,525 reads, 2 citations.

10. Shannon, B; Eaton, G; Lanos, C; Leyenaar, M; Nolan, M; Bowles, K; Williams, B; O'Meara, P; Wingrove, G; Heffern, J.D; **Batt, AM**. The development of community paramedicine; a restricted review. *Health and Social Care in the Community*. 2022 <https://doi.org/10.1111/hsc.13985> [Q1; IF 2.4; 70/281 - Health Policy] PMID: 36065522; 3,589 reads, 10 citations, 51 media mentions, AM score 428.
11. Murray, N; Palermo, C; **Batt, AM**; Bell, K. Does patient and public involvement influence development of competency frameworks in the health professions? A systematic review. *Frontiers in Medicine: Healthcare Professions Education*. 2022;Jul. <https://doi.org/10.3389/fmed.2022.918915> [Q1; IF 5.09; 58/169 - Medicine, General & Internal] PMID: 35957861; 3,742 reads, 2 citations, AM score 2.
12. Barry, T; **Batt, AM**; Agarwal, G; Booker, M; Casey, M; McCombe, G. Potential for Paramedic Roles in Irish General Practice: A qualitative study of stakeholder's perspectives. *HRB Open Research*. 2022;5:40. <https://doi.org/10.12688/hrbopenres.13545.2> 421 reads, 45 downloads, 2 citations.

2021

13. **Batt, AM**; Williams, B; Rich, J; Tavares, W. A six-step model for developing competency frameworks in the healthcare professions. *Frontiers in Medicine: Healthcare Professions Education*. 2021, Dec. <https://doi.org/10.3389/fmed.2021.789828> [Q1; IF 5.09 - 58/169 - Medicine, General & Internal] PMID: 34970566; 12,719 reads, 15 citations, AM score 29.
14. **Batt, AM**; Williams, B; Brydges, M; Leyenaar, M; Tavares, W. New ways of seeing: supplementing existing competency framework development guidelines with systems thinking. *Advances in Health Sciences Education*. 2021;26(4):1355-1371. <https://doi.org/10.1007/s10459-021-10054-x> [Q1; IF 3.85; 10/44 - Education, Scientific Disciplines] PMID: 34003391. Full text. Publisher link. 1,425 reads, 9 citations, AM score 16.
15. Cameron, C; Lunn, TM; Lanos, C; **Batt, AM**. Dealing with dying – progressing paramedics' role in grief support. *Progress in Palliative Care*. 2021;29(2):91-97. <https://doi.org/10.1080/09699260.2020.1856634> [Q2; IF 1.68; 53/161 - Nursing, miscellaneous] Full text. 1,209 reads, 5 citations, AM score 25.
16. **Batt, AM**; Lanos, C; Delport, S; Al-Hasan, D; Knox, S; Alhmoudi, A; Anderson, M; Fares, S; Cummins, F. Out-of-hospital cardiac arrests in countries of the Gulf Cooperation Council: a scoping review. *Eastern Mediterranean Health Journal*. 2021;27(7). <https://doi.org/10.26719/emhj.20.141> [Q3; IF 2.08; 63/87 - Health policy and services] PMID: 34369586; AM score 5.

2020

17. Hamel, L; Procum, A; Hunter, J; Gridley, D; O'Connor, K; Fentress, T; Goenner, C; Khalsa, S; **Batt, AM**. Local socioeconomic status and paramedic students' academic performance. *International Paramedic Practice*. 2020;10(2):25-32. <https://doi.org/10.12968/ippr.2020.10.2.25>. Full text. AM score 1.
18. **Batt, AM**; Tavares, W; Williams, B. The development of competency frameworks in healthcare professions: a scoping review. *Advances in Health Sciences Education*. 2020;25(4):913-987. <https://doi.org/10.1007/s10459-019-09946-w> [Q1; IF 3.85; 5/44 - Education, Scientific Disciplines] PMID: 31797195. Full text. Publisher link. >2,100 reads, 51 citations, AM score 21

2019

19. Hines Duncliffe, T; D'Angelo, B; Brock, M; Fraser, C; Lamarra, J; Austin, N; Pusateri, M; **Batt, AM**. Examining the effects of stress on the driving abilities of paramedic students. *International*

*Paramedic Practice*. 2019;9(4):76-83. <https://doi.org/10.12968/ippr.2019.9.4.76>. Full text. 2 media mentions.

20. Thoma, B., Goerzen, S., Horeczko, T., Roland, D., Tagg, A., Chan, T. M., Bruijns, S., Riddell, J., Aldawood, M. M., ..., **Batt, A.M.**, ... Zozula, A. An international, interprofessional investigation of the self-reported podcast listening habits of emergency clinicians: A METRIQ Study. *Canadian Journal of Emergency Medicine*. 2019;22(1):112–117. [Q2; IF 2.4; 24/54 - Emergency Medicine] PMID: [31760965](https://pubmed.ncbi.nlm.nih.gov/31760965/). <https://doi.org/10.1017/cem.2019.427> (collaborator).
21. Cochrane, A; Pithia, P; Laird, E; Mifflin, K; Sonley-Long, V; **Batt, AM**. Investigating the attitudes of Canadian paramedic students towards homelessness. *International Journal of Caring Sciences*. 2019;12(3):1781-1787. [Full text](#).
22. Leyenaar, M; Strum, R; **Batt, AM**; Sinha, S; Nolan, M; Agarwal, G; Tavares, W; Costa, A. Examining Consensus for a Standardized Patient Assessment in Community Paramedicine Home Visits: a RAND/UCLA modified Delphi Study. *BMJ Open*. 2019;9:e031956. <https://doi.org/10.1136/bmjopen-2019-031956> [Q1; IF 2.86; 53/312 - Medicine, General & Internal] PMID: [31594901](https://pubmed.ncbi.nlm.nih.gov/31594901/). Full text. 2,863 reads, 6 citations, [AM score 29](#).
23. Kus, L; Henderson, L; **Batt, AM**. Empathy in paramedic practice: an overview. *Journal of Paramedic Practice*. 2019;11(4). <https://doi.org/10.12968/jpar.2019.11.4.CPD1>. Full text. 842 reads, 5 citations, [AM score 10](#).
24. Ramey, S; MacQuarrie, A; Cochrane, A; McCann, I; Johnston, CW; **Batt, AM**. Drowsy and dangerous? Fatigue in paramedics: an overview. *Irish Journal of Paramedicine*. 2019;4(1). <https://doi.org/10.32378/ijp.v4i1.175> Full text. 10 citations.
25. Johnston, CW and **Batt, AM**. Canadian Paramedic Program Use of Realistic Simulation in Education (PURSE): a descriptive study. *Journal of the National Association of EMS Educators*. 2019;(Winter):10-15. [Full-text](#).

2018

26. **Batt, AM**; Al-Hajeri, A; Delport, S; Norman, S; Jenkins, S; Cummins, FH. Implementation of a STEMI bypass protocol in the Northern United Arab Emirates. *Heart Views*. 2018;19(4):121-127. [https://doi.org/10.4103/heartviews.heartviews\\_81\\_17](https://doi.org/10.4103/heartviews.heartviews_81_17). PMID: [31057704](https://pubmed.ncbi.nlm.nih.gov/31057704/). Full text. >2,400 reads.
27. Pagano, A; Robinson, K; Ricketts, C; Cundy-Jones, J; Henderson, L; Cartwright, W; **Batt, AM**. Empathy levels in Canadian paramedic students: a longitudinal study. *International Journal of Caring Sciences*. 2018;11(3):1492-1498. [Full text](#). 10 citations.
28. Kus, L; Gosling, C; Wilson, T; **Batt, AM**. Exploring empathy levels among Canadian paramedic students. *International Paramedic Practice*. 2018;8(3):42-47. <https://doi.org/10.12968/ippr.2018.8.3.42>. Full text. 3 citations.
29. Colbeck, M; Maria, S; Eaton, G; Campbell, C; **Batt, AM**; Caffey, M. International examination and synthesis of the primary and secondary surveys in paramedicine. *Irish Journal of Paramedicine*. 2018;3(2). <https://doi.org/10.32378/ijp.v3i2.91>. Full text. 5 citations, [AM score 2](#).
30. Mason, P and **Batt, AM**. #FOAMems: engaging paramedics with free, online open-access education. *Journal of Education and Health Promotion*. 2018;7:32:5 pg. [https://doi.org/10.4103/jehp.jehp\\_84\\_17](https://doi.org/10.4103/jehp.jehp_84_17) [Q3; IF 1.599] PMID: [29619383](https://pubmed.ncbi.nlm.nih.gov/29619383/). Full text. >3,100 reads, 6 citations, [AM score 29](#).
31. **Batt, AM**; Al-Hajeri, A; Ward, G; Lonergan, D; Cummins, FH. Reducing the trauma burden in the United Arab Emirates – a brief report. *Mediterranean Journal of Emergency Medicine*. 2018;26:25-28. <https://doi.org/10.26738/MJEM.2017/mjem26.2018/AB.CRE.150217> Abstract. Full text.



2017

32. **Batt, AM** and Knox, S. Building research capacity in Irish prehospital practitioners. *Irish Journal of Paramedicine*. 2017;2(2):3 pg. <https://doi.org/10.32378/ijp.v2i2.67>. Full text. 3 citations.
33. **Batt, AM**; Ward, G; Acker, J. Paramedic patient advocacy: a review and discussion. *Internet Journal of Allied Health Sciences and Practice*. 2017;15(4):8:7 pg. <https://doi.org/10.46743/1540-580X/2017.1660> Full text. >3,000 reads, 2 citations, PlumX 28.
34. Leggio, W; **Batt, AM**; Berry, J; Fentress, T; Vosper, M; Walsh, K; Dinsch, J. Correlation of formative assessments as the means of predicting summative performance for paramedic students. *Internet Journal of Allied Health Sciences and Practice*, 2017;15(4):2:4 pg. <https://doi.org/10.46743/1540-580X/2017.1672> Full text. 689 reads, PlumX 11.

2016

35. **Batt, AM**; Al-Hajeri, A; Ward, G; Pilapil, C; Delpont, S; Cummins, FH. Paediatric Cardiac Arrests in the Northern Emirates, United Arab Emirates. *Mediterranean Journal of Emergency Medicine*. 2016;25:30-34. Full-text.
  - a. Reprinted as: **Batt, AM** et al. Paediatric Cardiac Arrests in the Northern Emirates, United Arab Emirates. *Ambulance UK*. 2017;32(3):102-106. Full text.
36. **Batt, AM**; Al-Hajeri, A; Cummins, FH. A profile of out-of-hospital cardiac arrests in the Northern Emirates, United Arab Emirates. *Saudi Medical Journal*. 2016;37(11):1206-1213. <https://doi.org/10.15537/smj.2016.11.16126> [Q3; IF 1.40] PMID: 27761558. Full text. 19 citations, AM score 5.
37. **Batt, AM** and Cummins, N. E-learning on the road: online learning and social media for continuing professional competency. *Irish Journal of Paramedicine*. 2016;1(1):8 pg. <https://doi.org/10.32378/ijp.v1i1.5>. Full text. 7 citations.
38. **Batt, AM**; Nolan, MJ; Cummins, FH. Continuing education: Catastrophic haemorrhage control. *Mediterranean Journal of Emergency Medicine*. 2016;24:17-21. Full text. >2,900 reads.

## Refereed abstracts in peer-reviewed journals

2024

1. Mausz, J; Johnston, M; **Batt, AM**; Tavares, W; & Donnelly, EA. Characteristics of 9-1-1 calls associated with an increased risk of violence against paramedics in a single Canadian site. *Prehospital Emergency Care*. 2024. 28: S1-S111. <https://doi.org/10.1080/10903127.2023.2273890> [Q1; IF 2.4; 19/150 - Emergency Medicine]
2. Mausz, J; Johnston, M; Arseneau-Bruneau, D; **Batt, AM**; Tavares, W; & Donnelly, EA. Prevalence and characteristics of violence against paramedics in a single Canadian site. *Prehospital Emergency Care*. 2024. 28: S1-S111. <https://doi.org/10.1080/10903127.2023.2273890> [Q1; IF 2.4; 19/150 - Emergency Medicine]
3. Mausz, J; Johnston, M; Braaksma, MB; **Batt, AM**; Tavares, W; & Donnelly, EA. Moving the needle: What drives growing cultural acceptance of reporting violence against paramedics? *Prehospital Emergency Care*. 2024. 28: S1-S111. <https://doi.org/10.1080/10903127.2023.2273890> [Q1; IF 2.4; 19/150 - Emergency Medicine]
4. Mausz, J; D'Eath, J; Jackson, N; Johnston, M; **Batt, AM**; Tavares, W; & Donnelly, EA. Racism, sexism, and homophobia in contributing to violence against paramedics in a single Canadian site.

*Prehospital Emergency Care*. 2024. 28: S1-S111. <https://doi.org/10.1080/10903127.2023.2273890>  
[Q1; IF 2.4; 19/150 - Emergency Medicine]

2023

5. Lanos, C; **Batt, AM**; Drennan, I; Dhanani, S; Vaillancourt, C; Lin, S; Solimon, K; Cook, D. 210.1: Examining the potential for uncontrolled organ donation subsequent to out-of-hospital cardiac arrest in Canada. *Transplantation*. 2023;107(10S1):31 <https://doi.org/10.1097/01.tp.0000993160.57764.9a>  
[Q1; IF 6.2; 3/26 - Transplantation]

2022

6. Lunn, T; Cameron, C; Lanos, C; **Batt, AM**. Dealing with dying – progressing paramedics’ role in grief support. *Australasian Journal of Paramedicine*. 2022. 19:7. [Q1; 2/8 - Emergency Medical Services]. [Abstract](#).
7. **Batt, AM**; Williams, B; Brydges, M; Leyenaar, M; Tavares, W. New ways of ‘seeing’ – using systems thinking to explore paramedic practice. *Australasian Journal of Paramedicine*. 2022. 19:17. [Q1; 2/8 - Emergency Medical Services]. [Abstract](#).
8. Lanos, C; Drennan, I; Soliman, K; Lin, S; Vaillancourt, C; Dhanani, S; Jenkins, S; Cook, D; **Batt, AM**. PP37. Examining the Potential for Uncontrolled Organ Donation After Out-of-Hospital Cardiac Arrest in Canada—a sub analysis of the canROC registry. *Emergency Medicine Journal*. [Q1; IF 3.81] 2022. 39(e5). <https://doi.org/10.1136/emered-2022-999.37> [Abstract](#).
9. **Batt, AM**; Hultink, A; Lanos, C; Tierney, B; Grenier, M; Heffern, J. PP19. Advances in community paramedicine in Canada in response to COVID-19. *Emergency Medicine Journal*. [Q1; IF 3.81] 2022. 39(e5). <https://doi.org/10.1136/emered-2022-999.19> [Abstract](#).

2020

10. **Batt, AM**; Lanos, C; Delport, S; Al-Hasan, D; Knox, S; Anderson, M; Alhmoudi, A; Dennekamp, M; Fares, S; Cummins, F. 176. Out-of-hospital cardiac arrests in the Gulf region: a scoping review. *European Journal of Emergency Medicine*. 2020. 27(1). e6. <https://doi.org/10.1097/01.mej.0000697820.03632.98> [Q1; IF 2.17]. [Abstract](#).
11. **Batt, AM**; Williams, B; Brydges, M; Leyenaar, M; Tavares, W. A 'systems thinking' conceptual framework to explore clinical practice. DP 4-6. *Canadian Medical Education Journal*. 2020. 11(2):e170. [Abstract](#).
12. **Batt, AM**; Tavares, W; Williams, B. How do healthcare professions develop competency frameworks? DP 12-5. *Canadian Medical Education Journal*. 2020. 11(2):e201. [Abstract](#).

2018

13. Pagano, A; Robinson, K; Ricketts, C; Cundy-Jones, J; Henderson, L; Cartwright, W; **Batt, AM**. Empathy levels in Canadian paramedic students: a longitudinal study. *Irish Journal of Paramedicine*. 2018;3(2). <https://doi.org/10.32378/ijp.v3i2.117> [Abstract](#).
14. **Batt, AM**; Henderson, L; Hines Duncliffe, T; Robb, S; Cundy-Jones, J; Crosetta, R; Smith, P; Steary, D. Strategies for incorporating patient safety education in paramedic education using the IHI Open School. *Irish Journal of Paramedicine*. 2018;3(2). <https://doi.org/10.32378/ijp.v3i2.119> [Abstract](#).
15. **Batt, AM**; Delport, S; Cummins, F. Disaster preparedness and response in older adults: a review and discussion. *International Journal of First Aid Education*. 2018;1(2);8. <https://doi.org/10.21038/ijfa.2018.0007> [Abstract](#).
16. Ward J; **Batt, AM**; Menzies, D. A9 Facilitating Paramedic Continuous Professional Competency: the

#IrishEMS chat. *Irish Journal of Paramedicine*. 2016;1(S1):5. <https://doi.org/10.32378/ijp.v1i1.25> Abstract.

2017

17. **Batt, AM**; Al-Hajeri, A; Delport, S; Hong, W; Hay, I; Norman, S; Jenkins, S; Cummins, F. A3 Translating the evidence: STEMI bypass in the Middle East. *Irish Journal of Paramedicine*. 2017;2(S1):3. <https://doi.org/10.32378/ijp.v2i1.53> Abstract.
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7. Hines Duncliffe, T; Brock, M; D'Angelo, B; Fraser, C; Austin, N; Lamarra, J; Pusateri, M; Livingston, L; **Batt, AM**.
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1. Lunn, T; Shannon, B; Cameron, C; Hussain, A; **Batt, AM**. *Informing a Community Paramedicine Needs Assessment Tool: A Document Analysis – Initial Report*. Toronto: Commissioned by Healthcare Excellence Canada. 2024.
2. **Batt, AM**; Bolster, J; Lysko, M; Austin, M; Bank, J; Cameron, C; Donnelly, E; Donelon, B; Dunn, N; Johnston, W; Lanos, C; Lapierre, R; Lunn, T; Mason, P; Osinga, M; Steary, D; Teed, S; Vacon, C; and Tavares, W. *National Competency Framework for Paramedics Draft Standard for Public Review*. Toronto: Commissioned by Paramedic Association of Canada and CSA Group. 2023.
3. Bowles, KA; Williams, J; **Batt, AM**; Cummins, NM. *Consultation exercise with stakeholders other than paramedicine professionals [EMTs, Paramedics, Advanced Paramedics], to inform the research priorities for Pre-Hospital Emergency Care, the PHECC Research Committee and the Future of Paramedicine Research in Ireland*. Melbourne: Commissioned by the Pre-Hospital Emergency Care Council, Ireland. 2023.

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6. **Batt, AM**; Bank J, Bolster, J; Pithia, P. *Canadian Paramedic Landscape Review and Standards Roadmap*. Toronto: CSA Group. 2023. [Full text](#).
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8. Bowles, KA; **Batt, AM**; O'Toole, M; Knox, S; Hemingway, L; Williams, J; Uzoukwu, O; Williams, B; Cummins, N. *A National Research Strategy for Paramedicine in Ireland*. Melbourne: Commissioned by the Pre-Hospital Emergency Care Council, Ireland. 2023.
9. Bowles, KA; Cummins, N; O'Toole, M; Knox, S; Hemingway, L; Williams, J; Uzoukwu, O; Williams, B; **Batt, AM**. *A scoping review of existing prehospital emergency care research in Ireland from 2000 to 2022*. Melbourne: Commissioned by the Pre-Hospital Emergency Care Council, Ireland. 2023.

### 2022

10. Shannon, B; Eaton, G; Lanos, C; Leyenaar, M; Nolan, M; Bowles, KA; Williams, B; O'Meara, P; Wingrove, G; Heffern, J.D; **Batt, AM**. *Community paramedicine restricted review*. Melbourne: Commissioned by the Pre-Hospital Emergency Care Council, Ireland. 2022. [Full text](#).



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12. Shannon, B; **Batt, AM**; Eaton, G; Bowles, KA; Williams, B. *Community paramedicine practice framework scoping exercise*. Melbourne: Commissioned by the Pre-Hospital Emergency Care Council, Ireland. 2021. [Full text](#).
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17. **Batt, AM** and Gyuran, J. *Integration of reflective practice into certification processes*. Hamilton: Centre for Paramedic Education and Research. 2017.
18. **Batt, AM** and Cummins, F. *Ras al-Khaimah STEMI bypass project six-month report*. Abu Dhabi: National Ambulance. 2016.
19. **Batt, AM** and Cummins, F. *Ras al-Khaimah STEMI bypass project three-month report*. Abu Dhabi: National Ambulance. 2016.
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28. **Batt, AM.** *Do we preach what we practice? The development of competency frameworks in healthcare professions.* Thesis for the degree of Doctor of Philosophy (PhD), Department of Paramedicine, Monash University, Australia. 2021. <https://doi.org/10.26180/19164818.v1>. Full text.
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32. National Ambulance. *Clinical Practice Guidelines.* Abu Dhabi: National Ambulance. 2015.
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## Digital scholarship

### Podcasts

1. Shannon, B; **Batt, AM.** *The development of competency frameworks in healthcare professions: a scoping review.* Monash University Department of Paramedicine Podcast, September 2020.
2. **Batt, AM;** Lanos, C. *Decision making.* Management and Leadership in Paramedicine Speaker Series, Charles Sturt University, September 2020.
3. **Batt, AM;** Cameron, C. *Interprofessional practice.* Management and Leadership in Paramedicine Speaker Series, Charles Sturt University, September 2020.
4. **Batt, AM;** Helmer, J. *Interdisciplinary practice in Canadian contexts.* Management and Leadership in Paramedicine Speaker Series, Charles Sturt University, September 2020.
5. **Batt, AM;** Acker, J. *Leadership and culture.* Management and Leadership in Paramedicine Speaker Series, Charles Sturt University, September 2020.
6. **Batt, AM;** Mason, P. *Organisational and occupational culture.* Management and Leadership in Paramedicine Speaker Series, Charles Sturt University, September 2020.
7. **Batt, AM;** Johnston, C.W. *Teamwork and collective competence.* Management and Leadership in Paramedicine Speaker Series, Charles Sturt University, September 2020.
8. **Batt, AM;** Taplin, J. *Individual perception.* Management and Leadership in Paramedicine Speaker Series, Charles Sturt University, September 2020.
9. MacQuarrie, A; **Batt, AM.** *Oh the places you'll go.* Conversations about Careers, Griffith University, March 2019.
10. Arshad, F; Page, D; **Batt, AM.** *FISDAP EMS Research Summit Podcast.* EMS Nation Podcast, February 2016.

### Blog posts and other electronic resources

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*Project Inclusion and Equity Statement*. 2020. Available at <https://perma.cc/MTX4-GXB2>

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5. **Batt, AM**. COVID19: CDC Trained Observer for PPE. <https://perma.cc/YEM9-ZU7E>. 2020.
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7. **Batt, AM**. Paramedic fatigue. <https://perma.cc/REG5-LT8R>. 2019
8. **Batt, AM**. Integrating patient safety & quality education in Fanshawe College. <https://perma.cc/G7GP-NYAY>. 2018.
9. **Batt, AM**. In-flight medical emergencies. <http://perma.cc/7RT8-27M5>. 2017.
10. **Batt, AM**. Dissertation writing tools and workflow. <http://perma.cc/AV9P-U5P6>. 2016.
11. **Batt, AM**. An introduction to reflective practice for paramedics. <http://perma.cc/WK22-KSV7>. 2016.
12. **Batt, AM**. On open access... <http://perma.cc/K3SX-LUDK>. 2016.
13. **Batt, AM**. Research primer: how to read a paper. <http://perma.cc/2SEJ-TT6G>. 2016.
14. **Batt, AM**. Care of traumatic amputated parts. <http://perma.cc/779A-6NF2>. 2016
15. **Batt, AM**. Bacterial meningitis and septicaemia. <http://perma.cc/5ELC-XUZ4>. 2015.
16. **Batt, AM**. Identifying and protecting your brand online. <http://perma.cc/Z2EZ-FKAB>. 2015.
17. **Batt, AM**. Academic nursery rhymes and fairy tales. <http://perma.cc/4CUS-L6LZ>. 2015.
18. **Batt, AM**. Ebola resources for prehospital providers. <http://perma.cc/7XZX-YYEY>. 2015.
19. **Batt, AM**. Reflective practice for paramedics. <http://perma.cc/E6WN-R56B>. 2014.
20. **Batt, AM**. Let's go clubbing: setting up a journal club. <http://perma.cc/8TM5-88TC>. 2014.
21. **Batt, AM**. A paramedic's guide to Twitter. <http://perma.cc/Y6WK-M5WN>. 2014.
22. **Batt, AM**. Degrees for paramedics. <http://perma.cc/8JXE-2MQF>. 2014.
23. **Batt, AM**. How to read a paper. <http://perma.cc/EW85-WYY7>. 2014.
24. **Batt, AM**. Ethical dilemmas in paramedic practice. <http://perma.cc/HE72-GYU5>. 2014.
25. **Batt, AM**. An introduction to ethics for paramedics. <http://perma.cc/WX65-WD8Y>. 2014.
26. **Batt, AM**. Evidence based practice primer for paramedics. <http://perma.cc/BD89-7DCZ>. 2014.
27. **Batt, AM**. Effective searching strategies. <https://perma.cc/REZ3-GLUG>. 2014.
28. **Batt, AM**. Intranasal delivery of medications. <http://perma.cc/UKY9-TPGG>. 2014.
29. **Batt, AM**. Suspension trauma management. <http://perma.cc/Y8SF-NAUG>. 2014.
30. **Batt, AM**. Blood pressure in CVAs – which arm? <http://perma.cc/46NB-K8HR>. 2014.

31. **Batt, AM.** A paramedic's guide to Twitter. <http://perma.cc/J46C-NCX7>. 2014.
32. **Batt, AM.** Prehospital case study series. <http://prehospitalresearch.eu/?cat=60>. 2014.

*Other resources authored or edited.*

1. Pollak, A. (Ed.) *Critical Care Transport, Second Edition Test Bank*. (Author). Jones and Bartlett Learning. 2017.
2. National Ambulance. *National Ambulance 998 Emergency App – medical content*. (Author). 2015.
3. **Batt, AM.** *EMS Flashcards*. (Author); 2009 (1<sup>st</sup> Ed.); 2010 (2<sup>nd</sup> Ed.). 2012 (3<sup>rd</sup> Ed.)
4. **Batt, AM.** *Paramedic Clinical Skills Logbook for Android*. (Author). 2011.

### **Second-party appraiser**

*Peer-reviewed knowledge synthesis publications – PEP Program, Dalhousie University. All are available at <https://emspep.cdha.nshealth.ca/ParamedicMinCatBank.aspx>.*

#### *2022*

1. Puwakgole, H. *Paramedics in a supportive role for Intimate Partner Violence (IPV) victims*.
2. Wister, T. *Prehospital Reduction of Dislocations*.
3. Heggie, M. *Gallows Humor as a Coping Mechanism*.
4. Brisson, A. *Prehospital Sedation: Effectiveness of Ketamine*.
5. Menezes, N. *Midazolam versus Diazepam in Resolving Seizure Activity in Pediatric Patients*.
6. DiCecco, N. *Manual CPR vs. Mechanical CPR on Cardiac Arrest Patient Outcomes*.
7. O'Neil, S. *Manual CPR vs. Mechanical CPR on Cardiac Arrest Patient Outcomes*.
8. Schade, J. *Epinephrine in Out of Hospital Cardiac Arrests*.

#### *2021*

9. Marko, M. *Paramedic preparedness for delivering death notifications*.
10. Manjra, R. *Human sex trafficking- recognizing the signs: education for paramedics*.
11. Boismier, Kevin. *Treatment-seeking delay in AMI: patients of sexual or ethnically diverse groups*.
12. Higgins, H. *Patient and paramedic perceptions on care received during mental health crises*.
13. Lyons, E. *The efficacy of prehospital intubation on outcome of patients with a traumatic brain injury*.
14. Boismier, Kyle. *Prehospital administration of thrombolytics for acute stroke*.
15. Azalos, S. *Standard Valsalva vs. Modified Valsalva for treatment of SVT*.
16. Hakim, J. *The effect of prehospital therapeutic hypothermia on cardiac arrest outcome*.
17. Mahendrarajah, P. *The effectiveness of therapeutic hypothermia for out-of-hospital cardiac arrest*.
18. Ando, S. *Standard versus modified Valsalva manoeuvre for the termination of SVT*.
19. Fong, M. *Post-resuscitation effects of administration of epinephrine during a cardiac arrest*.
20. Demers, N. *Pre-hospital use of abdominal thrusts to treat FBAO*.

#### *2020*

21. Lysko, M. *Basic infection control knowledge and adherence in primary care paramedics*.
22. Rimmer, M. *Paramedic student preparation for working with geriatric patients*.
23. deBruyn, S. *Paramedic preparedness involving autism spectrum disorders (ASD)*.
24. Hertner, B. *Infectious control procedures by paramedics*.
25. Debrouwer, M. *The efficacy of endotracheal intubation compared to supraglottic airways*.
26. Bennett, V. *The influence of biases and opinions on family presence during resuscitation*.
27. DeSilva, J. *LGBTQ+ Education for Paramedics*.

28. Evans, R. *Mechanical CPR vs. Manual CPR of Cardiac Arrest Patients.*
29. Ramalho, M. *Implementation of current infectious control practices in paramedics.*
30. Doummar, D. *Effectiveness of Community Paramedicine for frequent users of medical services.*
31. Neto, J. *Powered stretchers versus manual stretchers.*

2019

32. Wilson, B. *Continuous compressions and positive resuscitation outcomes.*
33. Coulombe, J. *Paramedic recognition of victims of human trafficking.*
34. Shaver, J. *Nutrition Education for Paramedics.*
35. Ryniec, S. *Effects of occupational stress on fatigue in paramedics.*
36. Hillman, K. *Empathy levels of paramedics.*
37. McCarthy, C. *Burnout levels in EMS.*
38. Rastin, J. *Ipratropium bromide with salbutamol compared to salbutamol alone for asthma.*
39. Battaglia, L. *Recognition of sepsis by paramedics.*
40. Chou, W. *The usage of CTAS scale in the field of paramedicine.*
41. Moore, G. *Paramedics' ability to triage patients using CTAS codes.*
42. Knight, E; Miller, S; Jacobs, S. *Administration of TXA in the prehospital setting.*
43. Egier, D; Filice, J; Allen, B. *Interposed Abdominal Compression CPR.*

2018

44. Helmers, M. *Endotracheal intubation following BVM for a pediatric patient.*
45. Schwindt, C. *Mechanical CPR versus manual CPR pre-hospital.*
46. Miller, J. *Mechanical CPR Devices versus manual CPR.*
47. Love, I. *Survival of prehospital cardiac arrest patients without ROSC on scene.*
48. Poor, T. *Outcomes of out-of-hospital defibrillation: manual vs. automatic defibrillators.*
49. Kanani, Y. *Pre-hospital survival outcomes of cardiac arrest treated with hypothermic therapy.*
50. Hayward, J. *Prehospital double sequential defibrillation.*
51. Demers, E. *Epinephrine in cardiac arrests and neurological outcomes post ROSC.*
52. Gorham, J. *Efficacy of mechanical CPR devices versus manual CPR techniques.*
53. Bernaerts, S. *Effects of increasing angle of patient positioning while performing CPR on perfusion.*
54. Brock, M. *The use of cardiac ultrasound by paramedics during pre-hospital cardiac arrests.*
55. Cochrane, A. *The interactions between paramedics and homeless patients.*
56. Peters, J. *Intranasal versus intravenous naloxone in higher potency opioids.*
57. McIntyre, N. *Fentanyl for use by paramedics.*
58. Wesley-James, A. *Are Ontario paramedics able to identify lung sounds?*
59. Henderson, L. *Prehospital use of ipratropium bromide paired with salbutamol.*
60. Boon, M. *Pulmonary edema and CPAP.*
61. Barnard, M. *Pre-hospital wound packing with a hemostatic agent.*
62. Shelton, J. *Outcomes of sepsis patients in prehospital vs. in-hospital intervention.*
63. Pusateri, M. *Treating STEMI in the pre-hospital setting with a thrombolytic vs fibrinolytic drug.*
64. D'Angelo, B. *Outcomes of ACS patients administered nitro vs. traditional therapy.*
65. Kiss, S. *Pre-hospital pelvic hemorrhage control: pelvic binder vs. extraperitoneal pelvic packing.*

## G. Presentations

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### Invited lectures

2023

1. **Batt AM.** *Time to choose...moving paramedicine upstream.* Medical Director Lecture Series, Medavie, Nova Scotia, Canada, October 18, 2023.
2. *Why should I care about paramedic research?* Diploma – Primary Care Paramedic, Fleming College,

Ontario, Canada, March 28, 2023.

3. Bolster, J; **Batt, AM**. *Time to choose...moving paramedicine upstream*. BSc in Paramedicine, University of Prince Edward Island, PEI, Canada, February 16, 2023.
4. *Paramedicine research: an international perspective*. BSc in Paramedic Studies, University of Limerick, Limerick, Ireland, February 9, 2023.

2022

5. *Why should I care about paramedic research?* Diploma – Primary Care Paramedic, Fleming College, Ontario, Canada, April 4, 2022.
6. *Paramedicine research: an international perspective*. BSc in Paramedic Studies, University of Limerick, Limerick, Ireland, January 26, 2022.

2021

7. *Is it time to reinvent the wheel? Rethinking paramedic entry-to-practice education to meet contemporary health and social care needs*. BSc in Paramedicine, University of Prince Edward Island, PEI, Canada, April 01, 2021.

2020

8. *Why research matters – a story of you, them, and us*. BSc in Paramedic Studies, University of Limerick, Limerick, Ireland, December 10, 2020.
9. *Do we preach what we practice? The misalignment of paramedic practice and education*. BSc in Paramedicine, University of Prince Edward Island, PEI, Canada, March 26, 2020.
10. Lanos, C; **Batt, AM**. *Organ donation and the role of paramedics*. MSc in Critical Care, Cardiff University, Wales, UK, February 20, 2020.

2019

11. *Preaching what we practice? Towards Practice Informed Education*. BSc in Paramedicine, University of Prince Edward Island, PEI, Canada, March 7, 2019.
12. *Transitioning from education to practice*. Bachelor of Paramedicine, Griffith University, QLD, Australia, March 4, 2019.

2018

13. *Career planning for paramedic students*. Bachelor of Paramedicine, Charles Sturt University, NSW, Australia, July 12, 2018.
14. *Patient advocacy in paramedic practice*. Bachelor of Paramedicine, Charles Sturt University, NSW, Australia, July 12, 2018.
15. *Incorporating patient safety into paramedic education*. Diploma in Paramedic Science, National Ambulance Service College, Dublin, Ireland, March 9, 2018.
16. *An introduction to research for paramedic students*. Diploma in Paramedic Science, National Ambulance Service College, Dublin, Ireland, March 9, 2018.

## Invited presentations and workshops

### *International and national*

2024

1. *Developing a competency framework for contemporary paramedic practice in Canada*. 999 EMS Research Forum, Oxford, UK, September 2024.

2023

2. **Batt, AM; Bowles, KA**. *An international perspective on paramedicine research*. PHECC Research Conference, Maynooth, Ireland, November 15, 2023.
3. **Power, B; Batt, AM**. *Opportunities, and challenges in prehospital care research* (workshop). PHECC Research Conference, Maynooth, Ireland, November 15, 2023.
4. **Bowles, K; Eastwood, K; Batt, AM**. *Enhancing quality in peer review - conducting peer review for scientific journals* (workshop). Australasian College of Paramedicine International Conference, Melbourne, September 13, 2023.
5. *Clinical competency assessment in paramedic education*. PHECC Examinations Sub-Committee, online, July 25, 2023.
6. *Developing a competency framework for contemporary paramedic practice in Canada*. Paramedic Chiefs of Canada Leadership Summit, Kelowna, BC, June 15, 2023.
7. **Batt, AM; Hultink, A; Lanos, C; Tierney, B; Grenier, M; Heffern, J**. *Advances in community paramedicine in Canada in response to COVID-19*. International Roundtable on Community Paramedicine, Nottingham, UK, May 23, 2023.
8. *How do you make a community paramedic?* International Roundtable on Community Paramedicine, Nottingham, UK, May 23, 2023.
9. *Emerging trends and the changing landscape of paramedics in Canada*. CSA Group Workshop, Vancouver, BC, February 27, 2023.
10. **Batt, AM; Poirier, P; Bolster, J; Bank, J; Bowles, R; Cameron, C; Donelon, B; Dunn, N; Essington, T; Hackett, S; Johnston, W; Lanos, C; Lapierre, R; Lunn, T; Lysko, M; Mason, P; Osinga, M; Steary, D; Teed, S; and Tavares, W**. *Developing the National Occupational Standard for Paramedics*.
  - a. Paramedic Association of Newfoundland and Labrador, October 30, 2023.
  - b. **Lysko, M, Johnston, CW**. County of Renfrew Paramedic Research Symposium, Calabogie, ON, Canada, May 30, 2023.
  - c. Paramedic Chiefs of Canada Board meeting, online, April 13, 2023.
  - d. **Osinga, M**. Ontario Paramedic Association Board meeting, Belleville, ON, April 13, 2023.
  - e. Canadian Organisation of Paramedic Regulators, online, March 29, 2023
  - f. Paramedic Association of Canada Board meeting, Toronto, ON, February 6, 2023.
11. *The Past: Overview of Out-of-hospital Research in Ireland 2000-2022*. Stakeholder Consultation on the Implementation of a National Research Strategy for Paramedicine in Ireland. University of Limerick, Limerick, Ireland, January 25, 2023.

2022

12. **Batt, AM; Poirier, P; Bolster, J; Bank, J; Bowles, R; Cameron, C; Donelon, B; Dunn, N; Essington, T; Hackett, S; Johnston, W; Lanos, C; Lapierre, R; Lunn, T; Lysko, M; Mason, P; Osinga, M; Steary, D;**

Teed, S; and Tavares, W. *Developing the National Occupational Standard for Paramedics*.

- a. Saskatchewan College of Paramedics, online, November 25, 2022.
- b. Paramedic Association of New Brunswick Conference, St. John, NB, Canada, October 15, 2022. *Keynote speaker*.
- c. Ontario Base Hospital Group, online, September 14, 2022.
- d. Paramedicine Across Canada Expo, Saskatoon, SK, Canada, September 8, 2022.
- e. Ontario Paramedic Program Coordinators, online, June 3, 2022.
- f. CSA Group Technical Committee, online, February 9, 2022.

13. *Why research matters - developing research culture and capacity in paramedicine*. Dare to Know Conference, Charles Sturt University, online, September 26, 2022.

14. **Batt, AM; Hultink, A;** Lanos, C; Tierney, B; Grenier, M; Heffern, J. *Advances in community paramedicine in Canada in response to COVID-19*. Canadian Paramedicine Research Day, online, May 26, 2022.

2021

15. **Batt, AM** Essington, T; Al-Naemi, S; Benlamri, R; Dalton, S; Moraros, J. (panel discussion) *Building a globally competent healthcare workforce*. Health Standard Organization EQual virtual forum, online, December 9, 2021.

16. Page, D; Cummins, N; **Batt, AM;** Helmer, J. (panel discussion) *Let's Collaborate! Building Effective Research Networks*. College of Paramedics' UK Annual International Research Conference, online, November 30, 2021.

17. **Batt, AM;** Heffern, J.D; Morton, R; Newton, A; McDermott, A. (panel discussion) *Community Paramedicine in Ireland*. PHECC Community Paramedicine webinar, online, September 22, 2021.

18. *Just whose job is it anyway? The competency dilemma in paramedicine*. Western Sydney University, online, July 11, 2021.

19. Cummins, N; **Batt, AM;** Bowles, K.A; Kingston, M; Leggio, W; Snooks, H; Williams, J. (panel discussion). *The Good, the Bad and the Ugly of Paramedicine Research Networks*. Irish Paramedicine Education and Research Network, online, April 22, 2021.

2020

20. *Go Sponsor Her: supporting the next generation of women leaders in paramedicine*. EMS Leadership Summit 2020, online, October 15-19, 2020.

2019

21. *Invited speaker (declined due to schedule conflict)*. Indiana EMS Association Conference, West Lafayette, IN, USA, December 5-7, 2019

22. Gyuran, J; **Batt, AM.** *Developing reflective paramedic practitioners*. Paramedicine Across Canada conference 2019, Winnipeg, MB, Canada, September 20, 2019.

23. Mason, P; Lanos, C; **Batt, AM.** (panel discussion) *Female leadership in paramedicine: the case for sponsorship*. Paramedicine Across Canada conference 2019, Winnipeg, MB, Canada, September 20, 2019.

24. *Invited speaker (declined due to schedule conflict)*. 5<sup>th</sup> International Tabletop Exercise & Communication in Disaster Medicine, Universiti Teknologi Mara, Kuala Lumpur, Malaysia, July 1-6,



2019.

25. *Perspectives of EMS systems Around the World*. Emergency Medical Services Show, London, UK, June 26, 2019.
26. Mason, P; Slack, M; Gould, C; **Batt, AM**. *Female leadership in paramedicine*. Emergency Medical Services Show, London, UK, June 25, 2019.
27. **Batt, AM**; Ward, G; Acker, J. *Just what is patient advocacy in paramedicine?* College of Paramedics UK National Conference, Newcastle, UK, May 15, 2019.
28. *Running on empty? Fatigue in paramedic practice*. Irish College of Paramedics Wellbeing Symposium, Cork, Ireland, May 11, 2019.

2018

29. **Batt, AM**; Gyuran, J. *Incorporating reflective practice in paramedic education*. Indiana EMS Association Conference, West Lafayette, IN, USA, November 30, 2018.
30. **Batt, AM**; Mason P. *Increasing female leadership in paramedicine*. Indiana EMS Association Conference, West Lafayette, IN, USA, November 30, 2018.
31. *Invited speaker (declined due to schedule conflict)*. Jordan University of Science and Technology 4<sup>th</sup> International Paramedic Conference, Irbid, Jordan, November 4-5, 2018.
32. *Growing our own: building research capacity among Irish prehospital practitioners*. Irish College of Paramedics Scientific Symposium, Cork, Ireland, September 15, 2018.
33. Mason, P; Slack, M; Gould, C; **Batt, AM**. *Female leadership in paramedicine: results from the FLIP study*. Irish College of Paramedics Scientific Symposium, Cork, Ireland, September 15, 2018.
34. **Batt, AM**; Bowles, P; Duffy, P; Wall, B. *Irish paramedics abroad*. (Panel discussion). EMS Gathering, Cork, Ireland, September 11, 2018.
35. *Designing, conducting and evaluating tabletop exercises*. (workshop) 4<sup>th</sup> International Tabletop Exercise and Communication in Disaster Medicine, Kuala Lumpur, Malaysia, July 20, 2018.
36. *Introduction to leadership in EMS*. (workshop) 4<sup>th</sup> International Tabletop Exercise & Communication in Disaster Medicine, Universiti Teknologi Mara, Kuala Lumpur, Malaysia, July 17, 2018.
37. *Coconuts, crisps and triangles: fluid resuscitation in trauma*. 4<sup>th</sup> International Tabletop Exercise & Communication in Disaster Medicine, Universiti Teknologi Mara, Kuala Lumpur, Malaysia, July 16, 2018.
38. *Toxidromes and anaphylaxis: an update*. 4<sup>th</sup> International Tabletop Exercise & Communication in Disaster Medicine, Universiti Teknologi Mara, Kuala Lumpur, Malaysia, July 16, 2018.
39. *Paramedicine and research at a crossroads*. Charles Sturt University, NSW, Australia, July 12, 2018.
40. *Six simple questions to shape our future*. The Future of Paramedicine, Western Sydney University, NSW, Australia, July 11, 2018.

2017

41. Cummins, F; **Batt, AM**. *Establishing National Prehospital Competencies*. Emirates Society of Emergency Medicine Scientific Meeting, Dubai, UAE, December 7, 2017.
42. Mason, P; Johnston, C.W; James, K; Love, I; **Batt, AM**. (panel discussion) *Evidence based practice and paramedic students*. Paramedicine Across Canada 2017 conference, Quebec City, QC, Canada, August 19, 2017.

43. **Batt, AM; Gyuran, J.** *Developing reflective practice in paramedic students.* Paramedicine Across Canada 2017 conference, Quebec City, QC, Canada, August 18, 2017.
44. **Christie, M; Batt, AM.** *Tactical Emergency Care.* (workshop) 3<sup>rd</sup> International Tabletop Exercise & Communication in Disaster Medicine, Universiti Teknologi Mara, Kuala Lumpur, Malaysia, August 6, 2017.
45. *Emergency medicine pharmacology: new science.* 3<sup>rd</sup> International Tabletop Exercise & Communication in Disaster Medicine, Universiti Teknologi Mara, Kuala Lumpur, Malaysia, August 6, 2017.
46. *An update on anaphylaxis and toxidromes.* 3<sup>rd</sup> International Tabletop Exercise & Communication in Disaster Medicine, Universiti Teknologi Mara, Kuala Lumpur, Malaysia, August 6, 2017.
47. *Research and evidence-based practice.* 3<sup>rd</sup> International Tabletop Exercise & Communication in Disaster Medicine, Universiti Teknologi Mara, Kuala Lumpur, Malaysia, August 5, 2017.
48. *Preemies and babies.* 3<sup>rd</sup> International Tabletop Exercise & Communication in Disaster Medicine, Universiti Teknologi Mara, Kuala Lumpur, Malaysia, August 5, 2017.

2016

49. **Batt, AM; Halliwell, D.** *Implementing immersive simulation in prehospital education.* (workshop) EMS Gathering, Killarney, Ireland, June 8, 2016.
50. **Batt, AM; Halliwell, D.** *Care provision and high-risk PPE.* (workshop) EMS Gathering, Killarney, Ireland, June 9, 2016.
51. **Cummins, F; Batt AM.** *Preventing errors and improving patient safety through effective system intervention.* Middle East Patient Safety and Quality Congress, Abu Dhabi, UAE, May 15, 2016.
52. **Cummins, F; Batt AM.** *Patient tracking in mass casualty incidents.* International Federation of Emergency Medicine Trauma Update 2016, Abu Dhabi, UAE, May 13, 2016.
53. **Cummins, F; Batt AM.** *Fire-based EMS versus standalone EMS – what the evidence says.* International Federation of Emergency Medicine Trauma Update 2016, Abu Dhabi, UAE, May 13, 2016.
54. **Cummins, F; Batt AM.** *Clinical audit – what, why and how?* Dubai International Ambulance Conference, Dubai, UAE, March 22, 2016.

2015

55. **Cummins, F; Batt AM.** *Guidelines, protocols, and algorithms.* Emirates Society of Emergency Medicine Scientific Meeting, Abu Dhabi, UAE, December 6, 2015.
56. *Paramedic education and social media.* Turkish Paramedic Association 3<sup>rd</sup> International Paramedic Congress, Antalya, Turkey, December 3, 2015.
57. **Batt, AM; Cummins, F.** *International EMS: United Arab Emirates.* Turkish Paramedic Association 3<sup>rd</sup> International Paramedic Congress, Antalya, Turkey, December 3, 2015.
58. *International EMS: Republic of Ireland.* Turkish Paramedic Association 3<sup>rd</sup> International Paramedic Congress, Antalya, Turkey, December 3, 2015.
59. **Cummins, F; Batt AM.** *Prehospital trauma care – the future.* International Federation of Emergency Medicine Trauma Update 2015, Abu Dhabi, UAE, June 5, 2015.

2014

60. Cummins, F; **Batt AM**. *Prehospital catastrophic haemorrhage control – an update*. Emirates Society of Emergency Medicine Scientific Meeting, Dubai, UAE, December 3, 2014.

*Provincial, regional, and local*

2024

1. *30 years later – do paramedics need a degree?* Ontario Association of Paramedic Chiefs Eastern Region Meeting, Kingston, ON, Canada, January 18, 2024.

2023

2. **Batt, AM**; Button, D; MacPhee, R; Tavares, W. *Embracing the evolution of paramedicine* (panel discussion). Ontario Association of Paramedic Chiefs Fall Symposium, Collingwood, ON, Canada, September 26, 2023.
3. *The future is now: degree-level paramedic education*. County of Renfrew Paramedic Research Symposium, Calabogie, ON, Canada, May 30, 2023.
4. Bolster, J; Armour, R; O'Toole, M; Lysko, M; **Batt, AM**. *The paramedic role in substance use disorder*. Dalhousie University Emergency Medicine East Coast Research Day, May 24, 2023.
5. *A tale of two countries: Community paramedicine in Ireland and Canada*. Ontario Community Paramedicine Knowledge Exchange Expo, Toronto, ON, Canada, April 18-20, 2023.
6. *Academic CVs and online presence*. McNally Project for Paramedicine Research, online, April 14, 2023.
7. *From ambulance driver to change driver: paramedics moving upstream*. Fanshawe College Paramedic Program Research Day, April 6, 2023.

2022

8. *Progressing paramedicine through research: introducing the international Paramedicine Journal*. Ornge Research Rounds, online, October 27, 2022.
9. *Behind the scenes: developing the National Occupational Standard for Paramedics*. McNally Project for Paramedicine Research, online, October 21, 2022.
10. **Batt, AM**; Cassista, D; Hood, C; Reid, B. *Offload delay* (panel discussion). Paramedic Association of New Brunswick Conference, St. John, NB, Canada, October 16, 2022.
11. **Batt, AM**; Bolster J. *Time to choose: moving paramedicine upstream*. Paramedic Association of New Brunswick Conference, St. John, NB, Canada, October 16, 2022.
12. *Do we preach what we practice? A 5-year update...* County of Renfrew Paramedic Research Symposium, Calabogie, ON, Canada, June 14, 2022.
13. Bolster, J; Armour, R; O'Toole, M; Lysko, M; **Batt, AM**. *The paramedic role in substance use disorder*. McNally Project for Paramedicine Research, online, January 28, 2022.
14. Lanos, C; **Batt, AM**. *Advances in community paramedicine in Canada in response to COVID-19*. McNally Project for Paramedicine Research, online, January 28, 2022.

2021

15. Hirello, L; Johnston, W; **Batt, AM**. *Inclusion, diversity, equity and accessibility in research*. McNally

Project for Paramedicine Research, online, December 10, 2021.

16. *Do we preach what we practice? The development of competency frameworks in healthcare professions*. McNally Project for Paramedicine Research, online, October 1, 2021.
17. *A journey around Research Island*. McNally Project for Paramedicine Research, online, June 11, 2021.
18. Cameron, C; Lunn, T; Lanos, C; **Batt, AM**. *Progressing paramedics' role in grief support*. McNally Project for Paramedicine Research, online, February 5, 2021
19. *An introduction to systems thinking*. McNally Project for Paramedicine Research, online, January 22, 2021.

#### 2020

20. *A review of reviews: scoping reviews*. McNally Project for Paramedicine Research, online, October 23, 2020.
21. *911 diversion: re-examining paramedic service delivery to reduce ED use*. McNally Project for Paramedicine Research, online, September 11, 2020.
22. *Reporting guidelines: an overview*. McNally Project for Paramedicine Research, online April 3, 2020.
23. *The role of paramedic students in protecting vulnerable populations*. (Keynote speaker) Fanshawe Paramedicine Conference, London, ON, Canada, April 4, 2020 (conference cancelled due to COVID-19).
24. *Identifying training and education needs for community paramedics*. Ontario Community Paramedicine Secretariat Provincial Workshop, Toronto, ON, Canada, February 27, 2020.
25. *Making sense of the workflow maze*. McNally Project for Paramedicine Research, online, February 21, 2020.

#### 2019

26. **Batt, AM**; Tavares, W; Williams, B. *The misalignment of paramedic practice and education*. Ontario Paramedic Association Conference, Toronto, ON, Canada, October 26, 2019.
27. Gyuran, J; **Batt, AM**. *Exploring the role of reflective practice in a return to clinical practice program*. Ontario Paramedic Association Conference, Toronto, ON, Canada, October 26, 2019.
28. *Just what do paramedics do? Towards a definition of paramedic practice*. Cape Breton Paramedic Conference, St. Ann's, NS, Canada, September 27-29, 2019.
29. **Batt, AM**; Ward, G; Acker, J. *Five questions paramedics should ask about patient advocacy*. Paramedic Association of PEI Symposium, Charlottetown, PEI, Canada, June 1, 2019.
30. *Building research capacity in paramedicine (panel member)*. County of Renfrew Paramedic Research Symposium, Calabogie, ON, Canada, May 24, 2019.
31. **Batt, AM**; Leyenaar, M. *Research 101*. (workshop) County of Renfrew Paramedic Research Symposium, Calabogie, ON, Canada, May 23, 2019.
32. Gyuran, J; **Batt, AM**. *Reflective practice for paramedics*. Ontario Base Hospital Group 2019 Annual General Meeting, London, ON, Canada, February 13, 2019.

#### 2018

33. **Batt, AM**; Tavares, W; Williams, B. *What do paramedics do? The relationship between practice and education*. County of Renfrew Paramedic Research Symposium, ON, Canada, June 12, 2018.

34. Mason, P; Slack, M; Gould, C; Batt, AM. *Female leadership in paramedicine.* Ontario Association of Paramedic Chiefs Spring Conference, Toronto, ON, Canada, May 9, 2018.
35. *Incorporating research within paramedic programs – how and why?* Fanshawe College, London, ON, Canada, May 8, 2018.
36. *Growing the next generation of paramedic researchers in Canada.* (Keynote speaker) Fanshawe College Paramedic Programs Research Day, London, ON, Canada, April 7, 2018.
37. *Leadership in EMS.* (workshop) The Resuscitation Group, WA, USA, March 3-4, 2018.
38. Stearny, D; Batt, AM. *Incorporating research into paramedic education.* Fanshawe College Faculty Research Workshop, London, ON, Canada, March 2, 2018

2017

39. **Batt, AM;** Al-Hajeri, A; Delport, S; Hong, W; Hay, I; Norman, S; Jenkins, S; Cummins, F. *Turn left at the sand dune: challenges implementing STEMI care in the Middle East.* Fanshawe College Paramedic Programs Research Day, London, ON, Canada, April 8, 2017.

2016

40. *Simulation and debriefing.* Irish Red Cross, Cork, Ireland, June 14, 2016.
41. *Invited keynote speaker (declined due to schedule conflict).* Health Research Board of Ireland Open Access Seminar, Dublin, Ireland, October 26, 2016.
42. *Preemies, babies and kiddies.* Hamilton Health Sciences ACP CME Day, Hamilton, ON, April 22, 2016.

2015

43. *The social media medic.* Ontario Paramedic Association Paramedicine 2015 Conference, Niagara Falls, ON, Canada, November 11, 2015.
44. *Implementing scenario-based simulation training.* Irish Red Cross, Cork, Ireland, July 14, 2015.
45. Cummins, F. and Batt AM. *STEMI Care – the National Ambulance experience.* Abu Dhabi STEMI Network Study Day, Abu Dhabi, UAE, June 3, 2015.
46. Al- Hajeri, A; **Batt, AM;** Haskins, B; Cummins, F. *PAROS Northern Emirates – one year update.* Northern Emirates PAROS Meeting, Sharjah, UAE, March 6, 2015.

2014

47. *The EMT and safe medication administration.* Irish Red Cross, Cork, Ireland, December 13, 2014.
48. *Improving pre-hospital sepsis care.* Irish Red Cross, Cork, Ireland, September 20, 2014.
49. *Professionalism, scope of practice and CPD – what? so what?* Irish Red Cross, Cork, Ireland, November 11, 2012.

## Refereed oral presentations

*International and national*

2024

1. Cummins, N; Fitzgerald, C; **Batt, AM;** Bright AM; Doyle, B; O'Toole, M; Williams, J; Bowles, KA. *Preliminary Qualitative Analysis of Stakeholder Perspectives on the Implementation of a National*

*Research Strategy for Paramedicine in Ireland*. AUDGPI/ICGP Annual Scientific Meeting, March 8-9, Limerick, Ireland.

2. Mausz, J; Johnston, M; **Batt, AM**; Tavares, W; & Donnelly, EA (2024). *Characteristics of 9-1-1 calls associated with an increased risk of violence against paramedics in a single Canadian site*. National Association of EMS Physicians Annual Meeting, January 8-13, 2024, Austin, Texas.
3. Mausz, J; Johnston, M; Arseneau-Bruneau, D; **Batt, AM**; Tavares, W; & Donnelly, EA (2024). *Prevalence and characteristics of violence against paramedics in a single, Canadian site*. National Association of EMS Physicians Annual Meeting, January 8-13, 2024, Austin, Texas.

2023

4. Lanos, C; Drennan, I; Soliman, K; Lin, S; Vaillancourt, C; Dhanani, S; Jenkins, S; Cook, D; **Batt, AM**. *Organ Donation After Out-of-Hospital Cardiac Arrest in Canada*. Canadian Donation and Transplantation Research Program Conference, Montreal, December 6, 2023.
  - a. Winner of 'Top Oral Abstract' award
5. *Developing a competency framework for contemporary paramedic practice in Canada*. EMS Asia 2023, Tokyo, November 30, 2023.
6. Shannon, B; **Batt, AM**; Eaton, G; Leyenaar, M; O'Meara, P; Barry, T; Lanos, C; Wingrove, G; Williams, B; Nolan, M; Carney, R; Heffern, J; Bowles, KA. *Harnessing global insights for local action: navigating community paramedicine programs across borders*. PHECC Research Conference, Maynooth, November 15, 2023
7. Lanos, C; Drennan, I; Soliman, K; Lin, S; Vaillancourt, C; Dhanani, S; Jenkins, S; Cook, D; **Batt, AM**. *Organ Donation After Out-of-Hospital Cardiac Arrest in Canada*. International Symposium on Organ Donation and Procurement, Las Vegas, October 13, 2023.
8. *Developing a competency framework for contemporary paramedic practice in Canada*. Australasian College of Paramedicine International Conference, Melbourne, Australia, Sept 15, 2023.
  - a. Winner of the 'Best of the Best' highest quality research award.
9. Lanos, C; Drennan, I; Soliman, K; Lin, S; Vaillancourt, C; Dhanani, S; Jenkins, S; Cook, D; **Batt, AM**. *Organ Donation After Out-of-Hospital Cardiac Arrest in Canada—a potential role for paramedics?* Australasian College of Paramedicine International Conference, Melbourne, Australia, Sept 14, 2023.
10. Murray, N; Palermo, C; **Batt, AM**; Bell, K. *Does patient and public involvement influence development of competency frameworks in the health professions? A systematic review*. ANZAHPE 2023, Queensland, June 26-29, 2023.
11. Murray, N; **Batt, AM**; Bell, K; Palermo, C. *Where does the consumer voice live in competency framework development?* ANZAHPE 2023, Queensland, June 26-29, 2023.
12. Mausz, J; Tavares, W; Johnston, M; **Batt, AM**; Donnelly, E. *Violence Against Paramedics: Findings from a Mixed Methods Research Program*. Paramedic Chiefs of Canada conference, Kelowna, June 13-15, 2023.
13. Mausz, J; Tavares, W; Johnston, M; **Batt, AM**; Donnelly, E. *Violence Against Paramedics: Findings from a Mixed Methods Research Program*. Canadian Paramedicine Research Day, May 25, 2023.
  - a. Winner of Best Oral Abstract award
14. Bolster, J; Armour, R; O'Toole, M; Lysko, M; **Batt, AM**. *The paramedic role in substance use disorder: a scoping review*. Canadian Paramedicine Research Day, May 25, 2023.

2022

15. Shannon, B; Eaton, G; Lanos, C; Leyenaar, M; Nolan, M; Bowles, K; Williams, B; O'Meara, P; Wingrove, G; Heffern, J.D; **Batt, AM**. *The development of community paramedicine; a restricted review*. Australasian College of Paramedicine International Conference, Brisbane, Australia, September 15, 2022.
  - a. Winner of 'Best of the Best' highest quality research award.
16. Lanos, C; Drennan, I; Soliman, K; Lin, S; Vaillancourt, C; Dhanani, S; Jenkins, S; Cook, D; **Batt, AM** *Examining the Potential for Uncontrolled Organ Donation After Out-of-Hospital Cardiac Arrest in Canada—a sub analysis of the canROC registry*. Paramedicine Across Canada Expo, Saskatoon, SK, September 9, 2022.
17. Bolster, J; Armour, R; O'Toole, M; Lysko, M; **Batt, AM**. *The paramedic role in substance use disorder*. Paramedicine Across Canada Expo, Saskatoon, SK, September 10, 2022.
18. Lanos, C; Drennan, I; Soliman, K; Lin, S; Vaillancourt, C; Dhanani, S; Jenkins, S; Cook, D; **Batt, AM**. *Examining the Potential for Uncontrolled Organ Donation After Out-of-Hospital Cardiac Arrest in Canada—a sub analysis of the canROC registry*. Canadian Paramedicine Research Day, May 26, 2022.
19. **Batt, AM**; Williams, B; Rich, J; Tavares, W. *A Six-Step Model for Developing Competency Frameworks in the Healthcare Professions*. Canadian Conference on Medical Education, Calgary, AB, April 26, 2022.
20. **Batt, AM**; Tavares, W; Rich, J; Horsley, T; Williams, B. *A guidance statement for the reporting of Competency Framework Development in Healthcare Professions (CONFERD-HP)*. Canadian Conference on Medical Education, Calgary, AB, April 26, 2022.

2021

21. Cummins, N.M; Barry, T, Knox, S; ... **Batt, AM** ... Casey, M. *Building Research Capacity for Out-of-Hospital Care in Ireland: Development of the Irish Paramedicine Education and Research Network (IPERN)*. College of Paramedics International Education Conference 2021, UK, April 12, 2021.
22. Cameron, C; Lunn, T; Lanos, C; **Batt, AM** *Progressing paramedics' role in grief support*.
  - a. Australasian College of Paramedicine International Conference 2021, Canberra, Australia, November 26, 2021.
  - b. Alberta EMS and Paramedicine Research Day, Alberta, Canada, May 2021.
  - c. College of Paramedics International Education Conference 2021, UK, April 12, 2021.

2019

23. **Batt, AM**; Lanos, C; Al-Hasan, D; Alhmoudi, A; Anderson, M; Knox, S; Delport, S; Fares, S; Cummins, F. *Out-of-hospital cardiac arrests in the Gulf region: a scoping review*. Emirates Society of Emergency Medicine Conference, Abu Dhabi, UAE, December 13, 2019.
24. Hamel, L; Hamel, L; Hunter, J; Goenner, C; Gridley, D; Procum, A; O'Connor, K; Fentress, T; Nhoyvvanisvong, A; Khalsa, S; **Batt, AM**. *Does your address make the grade? The relationship between socioeconomic status and the academic performance of paramedic students*. National Association of EMS Educators Symposium, TX, USA, August 5, 2019.

2018

25. Pagano, A; Robinson, K; Ricketts, C; Cundy-Jones, J; Henderson, L; Cartwright, W; **Batt, AM**. *The*

*carer who doesn't care. Empathy levels in Canadian paramedic students.* Irish College of Paramedics Scientific Symposium, Cork, Ireland, September 15, 2018.

26. Hines Duncliffe, T; Brock, M; D'Angelo, B; Fraser, C; Austin, N; Lamarra, J; Pusateri, M; Livingston, L; **Batt, AM**. *Driving me crazy: the effects of stress on the driving abilities of paramedic students.*
  - a. Irish College of Paramedics Scientific Symposium, Cork, Ireland, September 15, 2018.
  - b. ANZCP Paramedicine Research Symposium, Melbourne, VIC, Australia, July 6, 2018.
27. **Batt, AM**; Henderson, L; Hines Duncliffe, T; Robb, S; Cundy-Jones, J; Crosetta, R; Smith, P; Steary, D. *Strategies for incorporating patient safety education in paramedic education using the IHI Open School.* Irish College of Paramedics Scientific Symposium, Cork, Ireland, September 15, 2018.
  - a. Winner of Top Oral Abstract award
28. Weber, A; Delport, S; Oliveri, L; **Batt, AM**. *The future of Australian ambulance services workforce: five-year review of an Australian university's paramedic science graduate demographics.* ANZCP Paramedicine Research Symposium, Melbourne, VIC, Australia, July 6, 2018.
29. **Batt, AM**; Delport, S; Cummins, F. *Disaster preparedness and response in older adults: a review and discussion.* International First Aid Education Conference 2018, Niagara Falls, ON, Canada, April 24, 2018.

2017

30. Johnston, CW; **Batt, AM**. *Canadian Paramedic Program Use of Realistic Simulation in Education (PURSE): a descriptive study.*
  - a. Professionalisation of Paramedicine through Research Symposium, Melbourne, VIC, Australia, September 25, 2017.
  - b. EMS Gathering 2016, Killarney, Ireland, June 8, 2016.
31. **Batt, AM**; Al-Hajeri, A; Delport, S; Hong, W; Hay, I; Norman, S; Jenkins, S; Cummins, F. *Translating the evidence: STEMI bypass in the Middle East.* EMS Gathering 2017, Kinsale, Ireland, May 5, 2017.
32. **Batt, AM**; Brydges, M; Mausz, J; Tavares, W. *Building research capacity in paramedicine: the McNally Group.* EMS Gathering 2017, Kinsale, Ireland, May 5, 2017.

2016

33. Vosper, M; **Batt, AM**; Berry, J; Dinsch, J; Fentress, T; Gallert, E; Leggio, W; Liu, L; Reinfeld, P; Shaw, E; Sliter, T; Walsh, K. *Can you fail your way to success?* National Association of EMS Educators Symposium, TX, USA, August 1, 2016.
34. Ward, J; **Batt, AM**; Menzies, D. *Facilitating Paramedic Continuous Professional Competency: the #IrishEMS chat.* EMS Gathering 2016, Killarney, Ireland, June 8, 2016.

2015

35. Al-Hajeri, A; Haskins, B; Sheridan, S; Lonergan, D; **Batt, AM**; Cummins, F. *Impact of a pain management education intervention for prehospital care providers.* Paramedics Australasia International Conference, Adelaide, SA, Australia, October 3, 2015.

*Provincial, regional, and local*

2022

36. Bolster, J; Armour, R; O'Toole, M; Lysko, M; **Batt, AM**. *The paramedic role in substance use*



*disorder*. Dalhousie EMS Research Day, October 20, 2022.

- a. Winner of Top EMS Research award.

2021

37. Lunn, T; Cameron, C; Lanos, C; **Batt, AM**. *Progressing paramedics' role in grief support*. Alberta EMS and Paramedic 3<sup>rd</sup> Annual Research Day, AB, Canada, May 27, 2021.

- a. Winner of Best Oral Abstract award.

2020

38. **Batt, AM**; Williams, B; Brydges, M; Leyenaar, M; Tavares, W. *New ways of 'seeing' – using systems thinking to explore clinical practice when developing competency frameworks*. Richard K. Reznick Wilson Centre Research Week, Toronto, ON, Canada, October 28, 2020.

39. **Batt, AM**; Tavares, W; Williams, B. *Can paramedics safely, accurately and appropriately divert patients to alternative care pathways?* Monash Centre for Scholarship in Health Education HDR Symposium, Melbourne, VIC, Australia, September 30, 2020.

2019

40. **Batt, AM**; Tavares, W; Williams, B. *Towards a best practice model for developing competency frameworks*. Monash Centre for Scholarship in Health Education HDR Symposium, Melbourne, VIC, Australia, October 31, 2019.

41. **Batt, AM**; Tavares, W; Williams, B. *The development of competency frameworks in healthcare professions: a scoping review*. Richard K. Reznick Wilson Centre Research Day, Toronto, ON, Canada, October 18, 2019.

2018

42. **Batt, AM**; Tavares, W; Williams, B. *Developing practice informed paramedic education*. Monash Centre for Scholarship in Health Education HDR Symposium, Melbourne, VIC, Australia, November 8, 2018.

2015

43. Al-Hajeri, A; Haskins, B; Sheridan, S; Lonergan, D; **Batt, AM**; Cummins, F. *Impact of a pain management education intervention for prehospital care providers*. Middle East Patient Safety and Quality Congress, Abu Dhabi, UAE, May 11, 2015.

- a. Winner of 'Best Catch' Research Award

44. **Batt, AM**; Al-Hajeri, A; Lonergan, D; Haskins, B; Cummins, F. *Using simulation, feedback and intensive coaching to improve professional performance of resuscitation skills amongst Emergency Medical Technicians and Paramedics in the UAE*. 2nd Clinical Simulation Conference, Dubai, UAE, February 24, 2015.

## Refereed poster presentations

*International and national*

Posters can be viewed and downloaded [via this link](#).

2024

1. Mausz, J; Johnston, M; Braaksma, MB; **Batt, AM**; Tavares, W; & Donnelly, EA (2024). *Moving the*

*needle: What drives growing cultural acceptance of reporting violence against paramedics?* National Association of EMS Physicians Annual Meeting, Austin, Texas, January 8-13, 2024.

2. Mausz, J; D'Eath, J; Jackson, N; Johnston, M; **Batt, AM**; Tavares, W; & Donnelly, EA (2024). *Racism, sexism, and homophobia in contributing to violence against paramedics in a single Canadian site.* National Association of EMS Physicians Annual Meeting, Austin, Texas, January 8-13, 2024.

## 2023

3. Bolster, J; Pithia, P; **Batt, AM**. *Emerging concepts in the paramedicine literature to inform the revision of a pan-Canadian competency framework for paramedics: a restricted review.* EMS Asia 2023, Tokyo, November 30, 2023.
4. **Batt, AM**; Hultink, A; Lanos, C; Tierney, B; Grenier, M; Heffern, J. *Advances in community paramedicine in Canada in response to COVID-19.* EMS Asia 2023, Tokyo, November 30, 2023.
5. Mausz, J; Johnston, M; Arsenau-Bruneau, D; **Batt, AM**; Tavares, W; Donnelly, E. *Prevalence and Characteristics of Violence Against Paramedics in a Single, Canadian Site.* PHECC Research Conference, Maynooth, November 15, 2023.
6. **Batt, AM**; Hultink, A; Lanos, C; Tierney, B; Grenier, M; Heffern, J. *Advances in community paramedicine in Canada in response to COVID-19.* Australasian College of Paramedicine International Conference, Melbourne, Australia, Sept 13, 2023.
7. Bolster, J; Pithia, P; **Batt, AM**. *Emerging concepts in the paramedicine literature to inform the revision of a pan-Canadian competency framework for paramedics.* Australasian College of Paramedicine International Conference, Melbourne, Australia, Sept 13, 2023.
8. Bolster, J; Armour, R; O'Toole, M; Lysko, M; **Batt, AM**. *The paramedic role in substance use disorder: a scoping review.* Australasian College of Paramedicine International Conference, Melbourne, Australia, Sept 13, 2023.

## 2022

1. Bolster, J; Armour, R; O'Toole, M; Lysko, M; **Batt, AM**. *The paramedic role in substance use disorder: a scoping review.* Paramedicine Across Canada Expo Research Day, Saskatoon, SK, September 8, 2022.
2. Mausz, J; Piquette, D; **Batt, AM**; Donnelly, E. *Violence Against Paramedics: Is Address Hazard Flagging Useful?* Paramedicine Across Canada Expo Research Day, Saskatoon, SK, September 8, 2022.
3. Bolster, J; Lysko, M; Poirier, P; Bank, J; Bowles, R; Cameron, C; Donelon, B; Dunn, N; Essington, T; Johnston, W; Lapierre, R; Mason, P; Steary, D; Tavares, W; **Batt, AM**. *Developing the National Occupational Standard for Paramedics in Canada.* Canadian Paramedicine Research Day, May 26, 2022.
4. Lanos, C; Drennan, I; Soliman, K; Lin, S; Vaillancourt, C; Dhanani, S; Jenkins, S; Cook, D; **Batt, AM**. *Examining the Potential for Uncontrolled Organ Donation After Out-of-Hospital Cardiac Arrest in Canada—a sub analysis of the canROC registry.* 999 EMS Research Forum, United Kingdom, March 29, 2022. <https://doi.org/10.13140/RG.2.2.26424.21762>
5. **Batt, AM**; Hultink, A; Lanos, C; Tierney, B; Grenier, M; Heffern, J. *Advances in community paramedicine in Canada in response to COVID-19.* 999 EMS Research Forum, United Kingdom, March 29, 2022. <https://doi.org/10.13140/RG.2.2.10374.45129>

2021

6. **Batt, AM;** Williams, B; Brydges, M; Leyenaar, M; Tavares, W. *New ways of 'seeing' – using systems thinking to explore paramedic practice*. Australasian College of Paramedicine International Conference, Australia, November 25, 2021. <https://doi.org/10.13140/RG.2.2.16561.71522>

2020

7. **Batt, AM;** Williams, B; Brydges, M; Leyenaar, M; Tavares, W. *A systems-thinking conceptual framework to explore clinical practice*. Canadian Conference on Medical Education, Vancouver, BC, Canada, April 19, 2020. <https://doi.org/10.13140/RG.2.2.13626.54720>
8. **Batt, AM;** Tavares, W; Williams, B. *How do healthcare professions develop competency frameworks?* Canadian Conference on Medical Education, Vancouver, BC, Canada, April 19, 2020. <https://doi.org/10.13140/RG.2.2.30403.76328>

2019

9. **Batt, AM;** Tavares, W; Williams, B. *A scoping review of competency framework development in healthcare professions*. PAC Paramedic Research Symposium, Winnipeg, MB, Canada, September 19, 2019. <https://doi.org/10.13140/RG.2.2.26401.35681>
10. Cochrane, A; Pithia, P; Laird, E; Mifflin, K; Sonley-Long, V; **Batt, AM.** *Investigating the attitudes of paramedic students towards homelessness*. PAC Paramedic Research Symposium, Winnipeg, MB, Canada, September 19, 2019. <https://doi.org/10.13140/RG.2.2.33112.24325>
11. Hamel, L; Hunter, J; Goenner, C; Gridley, D; Procum, A; O'Connor, K; Fentress, T; Nhoyuvisvong, A; Khalsa, S; **Batt, AM.** *Does your address make the grade? The relationship between socioeconomic status and the academic performance of paramedic students*. <https://doi.org/10.13140/RG.2.2.16335.02727>
  - a. EMS World Expo, New Orleans, USA, October 15-18, 2019.
  - b. PAC Paramedic Research Symposium, Winnipeg, MB, Canada, September 19, 2019.
  - c. National Association of EMS Educators Symposium, TX, USA, August 5, 2019.
12. Colbeck, M; Maria, S; Eaton, G; Campbell, C; **Batt, AM;** Caffey, M. *International Examination and Synthesis of the Primary and Secondary Surveys in Paramedicine*. International Conference on Emergency Medicine, Seoul, Korea, June 12, 2019. <https://doi.org/10.13140/RG.2.2.25589.68328>

2018

13. Bernaerts, S; Shelton, J; Weston, E; Demers, E; Miller, J; van der Groef, T; **Batt, AM.** *Can Canadian paramedic students accurately estimate pediatric patient weight?* ANZCP Paramedicine Research Symposium, Melbourne, VIC, Australia, July 6, 2018. <https://doi.org/10.13140/RG.2.2.23045.91363>
14. Kus, L; Gosling, C; Wilson, T; **Batt, AM.** *Empathy levels among Canadian paramedic students*. ANZCP Paramedicine Research Symposium, Melbourne, VIC, Australia, July 6, 2018. <https://doi.org/10.13140/RG.2.2.29756.80009>

2017

15. **Batt, AM;** Al-Hajeri, A; Delpont, S; Hong, W; Hay, I; Norman, S; Jenkins, S; Cummins, F. *Implementation of a STEMI bypass protocol in Ras al-Khaimah, United Arab Emirates*. Emirates Society of Emergency Medicine Scientific Meeting, Dubai, UAE, December 7, 2017. <https://doi.org/10.13140/RG.2.2.36396.77447>
16. **Batt, AM;** Johnston, C.W. *Bodybuilding: an anatomical model making project in a paramedic education program*. National Association of EMS Educators Symposium, Washington D.C; USA,

August 10, 2017. <https://doi.org/10.13140/RG.2.2.34423.73127>

17. **Batt, AM; Knox, S.** *On the path to professionalism: the Irish College of Paramedics.* EMS Gathering 2017, Kinsale, Ireland, May 5, 2017. <https://doi.org/10.13140/RG.2.2.28244.19844>

2016

18. **Batt, AM;** Al-Hajeri, A; Ward, G; Pilapil, C; Cummins, F. *Paediatric Cardiac Arrests in the Northern Emirates, United Arab Emirates.* EMS Asia 2016 Conference, Seoul, Korea, September 13, 2016. <https://doi.org/10.13140/RG.2.1.4174.4881>
19. Mason, P; **Batt, AM;** Steary, D. *#FOAMems: the impact to date.* smaccDUB, Dublin, Ireland, June 13, 2016. <https://doi.org/10.13140/RG.2.1.1783.7687>
20. **Batt, AM;** Cummins, N. *E-learning on the road: online learning and social media for continuing professional competency.* smaccDUB, Dublin, Ireland, June 13, 2016. <https://doi.org/10.13140/RG.2.1.2832.3441>
21. Mohammed, N; Patel, A; Damani, M; Al-Hajeri, A; **Batt, AM;** Cummins, F.H. *Implementation of an Electronic Medication Inventory System in Pre-Hospital Services to Improve Patient Safety and Quality.* Middle East Patient Safety and Quality Congress, Abu Dhabi, UAE, May 23, 2016.
22. **Batt, AM;** Al-Hajeri, A; Minton, M; Haskins, B; Cummins, F.H. *Improving patient safety in low-volume high-risk obstetrical emergencies.* Middle East Patient Safety and Quality Congress, Abu Dhabi, UAE, May 23, 2016.
23. Vosper, M; **Batt, AM;** Berry, J; Dinsch, J; Fentress, T; Gallert, E; Leggio, W; Liu, L; Reinfeld, P; Shaw, E; Sliter, T; Walsh, K. *Can you fail your way to success?* National Association of EMS Educators Symposium, TX, USA, August 1, 2016

2015

24. **Batt, AM;** Al-Hajeri, A; Pilapil, C; Lonergan, D; Haskins, B; Cummins, F. *Establishing a Prehospital Airway Registry in the UAE.* World Airway Management Meeting, Dublin, Ireland, November 13, 2015. <https://doi.org/10.13140/RG.2.1.4837.8485>
25. **Batt, AM** and Johnston, T. *Delayed Sequence Intubation and Apnoeic Oxygenation.* Paramedics Australasia International Conference, Adelaide, SA, Australia, October 2, 2015. <https://doi.org/10.13140/RG.2.1.1954.2646>
26. **Batt, AM;** Al-Hajeri, A; Haskins, B; Cummins, F. *Out-of-hospital cardiac arrest in the United Arab Emirates: results from the PAROS study.* Paramedics Australasia International Conference, Adelaide, SA, Australia, October 2, 2015. <https://doi.org/10.13140/RG.2.1.1429.9769>
27. **Batt, AM;** Al-Hajeri, A; Corrigan, B; Navalta, M; Haskins, B; Cummins, F. *Design and implementation of a peer support programme for prehospital care providers.* Paramedics Australasia International Conference, Adelaide, SA, Australia, October 2, 2015. <https://doi.org/10.13140/RG.2.1.3527.1289>
28. **Batt, AM;** Al-Hajeri, A; Haskins, B; Sheridan, S; Domingo, J; Acker, J; Cummins, F. *The Certificate of Clinical Practice: improving education for the EMT-Basic.* Paramedics Australasia International Conference, Adelaide, SA, Australia, October 3, 2015. <https://doi.org/10.13140/RG.2.1.3710.6325>
29. Al-Hajeri, A; **Batt, AM;** Haskins, B; Cummins, F. *Implementation of a de-novo ambulance service in the United Arab Emirates.* 8<sup>th</sup> Mediterranean Emergency Medicine Congress, Rome, Italy, September 5, 2015. <https://doi.org/10.13140/RG.2.1.4051.4166>
30. Al-Hajeri, A; **Batt, AM;** Haskins, B; Cummins, F. *Cardiac arrests in the Northern Emirates: a one-year review.* 8<sup>th</sup> Mediterranean Emergency Medicine Congress, Rome, Italy, September 5, 2015.

31. **Batt, AM**; Al-Hajeri, A; Lonergan, D; Haskins, B; Cummins, F. *Combining simulation and coaching to improve performance of resuscitation skills – a pilot study*. Mediterranean Emergency Medicine Congress, Rome, Italy, September 5, 2015.
32. Al-Hajeri, A, **Batt, AM**; Haskins, B; Cummins, F. *Preparing for the worst: National Ambulance and the 2014 Ebola virus epidemic*. Middle East Patient Safety and Quality Congress, Abu Dhabi, UAE, May 11, 2015. <https://doi.org/10.13140/RG.2.1.4575.7045>
33. Al-Hajeri, A; Haskins, B; Sheridan, S; Lonergan, D; **Batt, AM**; Cummins, F. *Impact of a pain management education intervention for prehospital care providers*.
  - a. Middle East Patient Safety and Quality Congress, Abu Dhabi, UAE, May 11, 2015.
  - b. Winner of 'Best Catch' Research award
  - c. WONCA EMR Family Medicine Congress, Dubai, UAE, April 30, 2015.

2014

34. Al-Hajeri, A; Minton, M; Haskins, B; **Batt, AM**; Cummins, F. *Implementing chain of survival initiatives to improve prehospital return of spontaneous circulation rates*. Emirates Society of Emergency Medicine Scientific Meeting, Dubai, UAE, December 3, 2014.
35. Al-Hajeri, A; Minton, M; Haskins, B; **Batt, AM**; Cummins, F. *Proof of concept of video laryngoscopy intubation: potential utility in the pre-hospital environment by Emergency Medical Technicians*. Emirates Society of Emergency Medicine Scientific Meeting, Dubai, UAE, December 3, 2014.
36. O'Brien, C; Cummins, N; **Batt, AM**. *A clinical audit of prehospital practitioners' knowledge of needlestick injuries*. Irish Association of Emergency Medicine Scientific Meeting, Dublin, Ireland, July 8, 2014.

*Provincial, regional, and local*

2022

37. Mausz, J; Piquette, D; **Batt, AM**; Donnelly, E. *Violence Against Paramedics: Is Address Hazard Flagging Useful?* Ontario Association of Paramedic Chiefs, Niagara Falls, October 5-6, 2022.

2020

38. **Batt, AM**; Williams, B; Brydges, M; Leyenaar, M; Tavares, W. *A 'systems thinking' conceptual framework to explore clinical practice*. Fanshawe College Research & Innovation Day, London, ON, Canada, March 26, 2020 (conference cancelled due to COVID-19)
39. **Batt, AM**; Tavares, W; Williams, B. *How do healthcare professions develop competency frameworks?* Fanshawe College Research & Innovation Day, London, ON, Canada, March 26, 2020. (conference cancelled due to COVID-19)
40. Hines Duncliffe, T; Brock, M; D'Angelo, B; Fraser, C; Austin, N; Lamarra, J; Pusateri, M; Livingston, L; **Batt, AM**. *The effects of stress on the driving abilities of paramedic students*. Fanshawe College Research & Innovation Day, London, ON, Canada, March 26, 2020. (conference cancelled due to COVID-19)

2019

41. Cochrane, A; Pithia, P; Laird, E; Mifflin, K; Sonley-Long, V; **Batt, AM**. *Investigating the attitudes of paramedic students towards homelessness*. Fanshawe College Research & Innovation Day, London, ON, Canada, March 20, 2019.

2018

42. Chard, E; Corbett, M; Crosetta, R; Hayward, J; Kuiack, A; McIntyre, N; Meier, C; Renaud, J; **Batt, AM**. *Paramedic student accuracy at ECG interpretation*. Alberta Health Services EMS and Paramedic Research Day, Calgary, AB, Canada, May 31, 2018. <https://doi.org/10.13140/RG.2.2.33020.23689>
43. Colbeck, M; Maria, S; Eaton, G; Campbell, C; **Batt, AM**; Caffey, M; Hunter, M. *International Examination and Synthesis of the Primary and Secondary Surveys in Paramedicine*. Fanshawe College Research & Innovation Day, London, ON, Canada, March 21, 2018. <https://doi.org/10.13140/RG.2.2.25589.68328>
44. Kus, L; Gosling, C; Wilson, T; **Batt, AM**. *Empathy levels among Fanshawe paramedic students*. Fanshawe College Research & Innovation Day, London, ON, Canada, March 21, 2018.
45. Crosetta, R; Smith, P; Cundy-Jones, J; Henderson, L; **Batt, AM**. *Patient safety and quality improvement education for Fanshawe paramedic students*. Fanshawe College Research and Innovation Day, London, ON, Canada, March 21, 2018.

2017

46. Rahman, M; Sperley, B; Christie, M; Hay, I; **Batt, AM**; Yeap, J. *Point-of-care ultrasound in the Emergency Department: patient characteristics*. Selayang University Hospital, Malaysia, June 9, 2017. <https://doi.org/10.13140/RG.2.2.26035.12322>
47. Rahman, M; Sperley, B; Christie, M; Hay, I; **Batt, AM**; Yeap, J. *Provider perceptions of point-of-care ultrasound in the Emergency Department*. Selayang University Hospital, Malaysia, June 9, 2017. <https://doi.org/10.13140/RG.2.2.19324.23688>

2016

48. Johnston, CW; **Batt, AM**. *Paramedic Use of Realistic Simulation in Education*. Fanshawe College Research and Innovation Day, London, ON, Canada, March 23, 2016. <https://doi.org/10.13140/RG.2.1.1554.2163>
49. Mason, P; **Batt, AM**; Steary, D. *#FOAMems: the impact to date*. Fanshawe College Research and Innovation Day, London, ON, Canada, March 23, 2016. <https://doi.org/10.13140/RG.2.1.1692.1206>

2015

50. **Batt, AM**; Johnston, T. *Delayed Sequence Intubation and Apnoeic Oxygenation*. Mid North Coast Local Health District Research Conference, Port Macquarie, NSW, Australia, December 12, 2015.
51. Johnston, T; Acker, J; **Batt, AM**. *Starting a Journal Club – A Simple Approach to Supporting Evidence Based Practice*. Mid North Coast Local Health District Research Conference, Port Macquarie, NSW, Australia, December 12, 2015. <https://doi.org/10.13140/RG.2.1.2740.6963>

2014

52. O'Brien, C; Cummins, N; **Batt, AM**. *A Clinical Audit of Prehospital Practitioners Knowledge of Needlestick Injuries*. University Hospitals Limerick Annual Research Symposium, Limerick, Ireland, October 24, 2014.

### Conference Sessions Chaired or Organised

1. Chair, Fanshawe Paramedic Programs Research Day, London, ON, Canada, April 7, 2022.
2. Moderator, Community Paramedicine webinar panel discussion, Ireland, September 20, 2021.

3. Chair, Fanshawe Paramedic Programs Research Day, London, ON, Canada, April 13, 2021.
4. Chair, Fanshawe Paramedic Programs Research Day, London, ON, Canada, April 7, 2020 (*cancelled due to COVID-19*).
5. Chair, Advances in Continuing Professional Development stream, OPA Paramedicine 2019, Toronto, ON, Canada, October 25, 2019.
6. Chair, Paramedic Research Symposium, Winnipeg, MB, Canada, September 19, 2019.
7. Chair, Irish College of Paramedics Wellbeing Symposium, Cork, Ireland, May 11, 2019.
8. Chair, Fanshawe Paramedic Programs Research Day, London, ON, Canada, April 6, 2019.
9. Chair, Irish College of Paramedics Scientific Symposium, Cork, Ireland, September 15, 2018.
10. Co-Chair, EMS Gathering abstract session, EMS Gathering 2018, Cork, Ireland, September 12, 2018.
11. Chair, Emergency Dispatch and Communications, EMS Gathering 2018, Cork, Ireland, September 12, 2018.
12. Co-Chair, Fanshawe Paramedic Programs Research Day, London, ON, Canada, April 7, 2018.
13. Co-Chair, EMS Gathering abstract session, EMS Gathering 2017, Kinsale, Ireland, May 5, 2017.
14. Co-Chair, Fanshawe Paramedic Programs Research Day, London, ON, Canada, April 8, 2017.
15. Co-Chair, EMS Gathering abstract session, EMS Gathering 2016, Killarney, Ireland, June 8, 2016.
16. Chair, EMS around the World track, International Paramedic Congress, Antalya, Turkey, December 5, 2015.

### Public Knowledge Translation Initiatives

1. Ross, L; Shannon, B; Bowles, KA; Williams, B; **Batt, AM**. *Graduate Certificate in Community Care webinar*. November 7, 2022.
2. **Batt, AM**; Delport, S; Cummins, F. *Natural disasters and older adults – what does it mean for you?* Sheridan Centre for Elder Research, Oakville, ON, Canada, April 13, 2017.

## H. Editorial and Review Activities

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### Grant and funding review

2024	Postdoctoral Research Fellowship Scheme, Swiss National Science Foundation, Switzerland.
2023	Insight Development Grants, Social Sciences and Humanities Research Council of Canada (SSHRC), Canada.
2023	Postdoctoral Research Fellowship Scheme, Swiss National Science Foundation, Switzerland.
2022	Postdoctoral Research Fellowship Scheme, Swiss National Science Foundation, Switzerland.
2020	National Research Council, Swiss National Science Foundation, Switzerland (verify on <a href="#">WOS profile</a> ).
2019	National Research Council, Swiss National Science Foundation, Switzerland (verify on <a href="#">WOS profile</a> ).
2017	NAEMSE Research Scholarship, National Association of EMS Educators, USA.

### External examiner roles

External assessment expert, PHECC Examinations Sub-Committee, Ireland.

External evaluator for Diploma in Paramedic Science, University College Cork, Ireland.  
External evaluator for Bachelor of Emergency Medical Care (Hons.), Namibia University of Science and Technology, Namibia.

### **Editorial roles**

Deputy Editor, [Paramedicine](#), Australia.  
Pre-print screener, [Preprints.org](#), Switzerland.  
Senior Appraiser, [PEP Project](#), Dalhousie University, Canada.

### **Editorial and peer-review training**

Editorial and Publication Ethics Course, Committee on Publication Ethics.  
Web of Science Academy Peer Review Mentor (verify on [WOS profile](#))  
Elsevier Researcher Academy Certified Peer Reviewer  
Web of Science Academy Certified Peer Reviewer (verify on [WOS profile](#))

### **Peer-review**

#### *Journal manuscript review – health professions education*

Advances in Health Sciences Education, BMC Medical Education, Frontiers in Medicine: Healthcare Professions Education, International Journal of Research in Education and Science, Journal of Evaluation in Clinical Practice.

#### *Journal manuscript review – healthcare*

American Journal on Addictions, BMJ Health & Care Informatics, British Journal of Nursing, Cureus, Currents in Pharmacy Teaching and Learning, Dyslexia, Frontiers in Public Health, Frontiers in Medicine, Health Promotion Journal of Australia, Health Services Insights, Journal of Medical Ethics, Journal of Public Health Policy, Nursing Ethics, Nursing and Health Sciences, Quality of Life Research, SAGE Open Nursing, Saudi Journal of Medicine and Medical Sciences, Trauma.

#### *Journal manuscript review – paramedicine*

Australasian Journal of Paramedicine, Frontiers in Public Health: Disaster and Emergency Medicine, International Journal of First Aid Education, International Paramedic Practice, Irish Journal of Paramedicine, Journal of Paramedicine and Emergency Response, Journal of Paramedic Practice, Paramedicine.

#### *Textbook/chapter reviews*

Emergency Care in the Streets (8e – 3 chapters, 9e – 2 chapters); Critical Care Transport (3e – 1 chapter); Critical Care Exam Prep (20 chapters); EMS Reference; Foundations of Education: an EMS approach (4 chapters); Geriatric Education for EMS (2e – 2 chapters); Introducing, designing, and conducting research for paramedics (2 chapters); Interdisciplinary Health Occupations (1 chapter).

### **Conference peer review**

Judge – Education Track, Australasian College of Paramedicine International Conference, Australia.  
Abstract review, McGill International Palliative Care Congress, Canada.  
Abstract review, Canadian Conference on Medical Education, Canada.  
Prehospital Care Research Forum at NAEMSE Symposium, USA.  
Prehospital Care Research Forum at EMS World Expo, USA.  
Abstract review, Paramedic Research Symposium, Canada.  
Abstract review, Irish College of Paramedics Research Symposium, Ireland.



Abstract review committee chair, EMS Gathering, Ireland.  
Scientific Committee, International Paramedic Congress, Turkey.

## **I. Advising and Mentoring**

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### *Current supervisory and advisory roles*

- 2024 Woodman, C.  
Queen's University, Canada.  
Bachelor of Health Sciences (Hons.)  
Thesis focus: TBD  
Role: Supervisor (primary)
- 2024 Heffern, J.  
Queen's University  
CSA Undergraduate Research Scholarship  
Bachelor of Nursing Science  
Research focus: Supporting Indigenous women's health.  
Role: Supervisor (primary)
- 2024 Knight, E.  
Charles Sturt University  
Bachelor of Paramedicine  
Thesis focus: TBD  
Role: Supervisor
- 2023 – present Bolster, J.  
Monash University, Australia.  
Doctor of Philosophy  
Thesis focus: Co-design of health and social services with vulnerable populations.  
Role: Supervisor (primary)
- 2023 – present Greene, A.  
Monash University, Australia.  
Doctor of Philosophy  
Thesis focus: High-performance transport medicine system characteristics and research priorities.  
Role: Supervisor (primary)
- 2023 – present Lunn, T.  
Monash University, Australia.  
Bachelor of Paramedicine (Hons.)  
Thesis focus: Community paramedicine addressing social needs.  
Role: Supervisor (primary)
- 2022 – present O'Toole, M.  
Monash University, Australia.  
Doctor of Philosophy  
Thesis focus: Building a second responder network for paramedics.  
Role: Supervisor (associate)

2022 – present Cameron, C.  
Monash University, Australia.  
Doctor of Philosophy  
Thesis focus: Stakeholder engagement in integrated care program development.  
Role: Supervisor (primary)

2023 – present Boateng, R.  
University of Toronto, Canada.  
Doctor of Philosophy  
Thesis focus: Afrocentric practice in substance use with black youth in Toronto.  
Role: Thesis committee member

2018 – present Mason, P.  
Royal Roads University, Canada.  
MA in Interdisciplinary Studies  
Thesis focus: Flourishing in the Ottawa Paramedic Service.  
Role: Advisor

*Fanshawe College – undergraduate*

2022 – 2023  
(10) Syndey et al. *Bibliometric analysis of Canadian Paramedicine magazine.*  
Wideman et al. *Paramedic Students Preparedness to Enter the Workforce.*  
Boere et al. *Paramedic students' perceptions of violence.*  
O'Neil et al. *A systematic review of mechanical versus manual CPR effect on ROSC.*  
Silveira et al. *Intimate Partner Violence: Are Paramedic Students Prepared?*  
Puwakgolle et al. *Analysis of social media comments on violence against paramedics.*  
Figliuzzi et al. *Paramedic students view on community paramedicine.*  
Pickford et al. *Paramedic Student's Stress and Substance Use.*  
Hogg et al. *Prehospital impact of sex hormone therapy in transgender population.*  
Delagardeaux et al. *Sexism in Paramedicine – The Lived Experience.*

2021 – 2022  
(10) Van Der Schaaf et al. *The effects of COVID-19 on paramedic students' life systems.*  
Mahendrarajah et al. *Physical fitness programs and academic performance.*  
Conrad et al. *Study habits of paramedic students.*  
Korganowski et al. *Prevalence of violence towards paramedics.*  
Aszalos et al. *Changes in paramedic empathy toward substance users.*  
Hakim et al. *Paramedic student personality traits and career choice satisfaction.*  
Marko et al. *Attitudes of paramedic students towards mental health calls.*  
Dunn et al. *Paramedic confidence levels during cardiac arrests.*  
Cassidy et al. *Human sex trafficking - recognizing the signs.*

2020 – 2021  
(8) Schisler et al. *Self-assessed mental preparedness of paramedic students.*  
DeSilva et al. *Paramedic opinions on family witnessed resuscitation.*  
Quick et al. *Paramedic students and varied clinical placements.*  
Hertner et al. *Standard precaution and infection control habits among PCP students.*  
Neto et al. *Effectiveness of paramedic college fitness programs.*  
Nunn et al. *Cognitive aids to reduce medication errors in the prehospital environment.*  
Coady et al. *The hidden curriculum in paramedic education.*  
Doummar et al. *Community paramedicine education in the PCP curriculum.*

- 2019 – 2020  
(10) McCarthy et al. *Relationship between empathy levels and flourishing in paramedics.*  
Murad et al. *Occupational injuries in female paramedics.*  
Matthews et al. *Paramedic empathy and its relationship with gender and experience.*  
Coulombe et al. *Knowledge of human trafficking among paramedic students.*  
Millar et al. *Cross-program proficiency in ECG interpretation*  
Boyd et al. *Paramedic student accuracy at calculating TBSA of burns.*  
Downs et al. *Medication errors and time of shift in paramedicine.*  
Chou et al. *Accuracy of paramedic student calculated Canadian Acuity Triage Scale.*  
Bakker et al. *The effects of diet and physical activity on sleep in working paramedics.*  
Zumaeta et al. *Paramedic student attitudes towards mental health patients.*
- 2018 – 2019  
(8) Thibodeau et al. *Egalitarianism in paramedicine: a work in progress.*  
Doucet et al. *Paramedic students' ability to calculate volume of external blood loss.*  
Robb et al. *Paramedic students' preparedness in handling suicide presentations.*  
DeCooman et al. *Paramedic students' attitudes towards the elderly.*  
Cochrane et al. *Paramedic students' attitudes towards homeless persons.*  
Peters et al. *Communication barriers between paramedics and hearing impaired.*  
Landowski et al. *Paramedic students' ability to accurately utilize medical terminology.*  
Hamsic et al. *Preparing paramedic students to deal with communication barriers.*  
Egier et al. *Interposed abdominal compression CPR.*  
Knight et al. *Administration of TXA in the prehospital setting.*
- 2017 – 2018  
(7) Smith et al. *Standardized patients versus manikins for teaching patient assessment.*  
Bernaerts et al. *Estimation of pediatric weight by paramedic students.*  
Love et al. *The effect of environmental fidelity on paramedic student performance.*  
Chard et al. *Accuracy in ECG rhythm recognition by paramedic students.*  
Hines Duncliffe et al. *Effects of stress on the driving abilities of paramedic students.*  
Cleveland et al. *The ability of paramedic students to accurately assess breath sounds.*  
Pagano et al. *Empathy levels in Canadian paramedic students: a longitudinal study.*  
Clarke et al. *Prehospital PEEP in ventilated patients.*  
Harrison et al. *Efficacy and safety of dopamine v norepinephrine in patients in shock.*  
Dzikowski et al. *Treatment of refractory VF and pulseless VT with beta blockers.*  
Gravelly et al. *Optimizing hemodynamic profile during external chest compressions.*
- 2016 – 2017  
(8) Barfoot et al. *Work-life balance for first responders.*  
Ali et al. *Paramedic students' ability to perform medical math following stress.*  
Hilliard et al. *Ability of paramedic students to accurately calculate a GCS.*  
Corbitt et al. *On the effects of outcome feedback and paramedic self-evaluation.*  
Costello et al. *Peer-assisted learning in paramedic education.*  
Kus et al. *Empathy levels in Canadian paramedic students: a cross sectional survey.*  
James et al. *Factors that predict student success in paramedic education programs.*  
Gold-Bersani et al. *Competence related to confidence in paramedic students.*
- 2015 – 2016  
(2) Mason, P. *FOAMems: Engaging paramedics with free, online open-access education.*  
Johnston, W. *Canadian Paramedic Program Use of Realistic Simulation in Education.*

#### *Fisdap Research Summit*

- 2019 Hamel et al. *The relationship between socioeconomic status and the academic performance of paramedic students.*  
Advisors: Khalsa, S. & **Batt, AM**

## **J. Professional Service**

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### **Executive roles**

- 2016 – present Associate, Prehospital Care Research Forum, UCLA, USA.
- 2015 – present Co-Chair, McNally Project for Paramedicine Research, ON, Canada.
- 2017 – 2019 Vice-President, Irish College of Paramedics.
- 2016 – 2017 Executive Committee member, Member Services Officer, Irish College of Paramedics.
- 2014 – 2020 Communications committee member, Canadian EMS Research Network, Canada.
- 2014 – 2020 Research committee member, National Association of EMS Educators, USA.
- 2010 – 2012 Executive Committee (interim) member, Irish College of Paramedics.
- 2009 – 2010 Executive Committee member, Irish Society for Immediate Care.
- 2004 – 2006 Executive Council member, Irish Nurses and Midwives Organisation.

### **Technical and advisory committee membership**

- 2023 – present Member, Capacity Building, Education & Research Working Group, Provincial Geriatrics Leadership Ontario, Canada.
- 2023 – present Member, Ontario Community Paramedicine Knowledge Exchange Committee, Canada.
- 2023 – present External expert advisor, Examinations Subcommittee, PHECC, Ireland.
- 2021 – present Member, Canadian Paramedicine Education Chapter, Canada.
- 2021 – present Collaborator, Irish Paramedicine Education and Research Network, Ireland.
- 2017 – present Member, International Paramedic steering group, Canada.
- 2016 – present Medical Advisory Board member, International Organisation of EMTs, Europe.

#### *CSA Group, ON, Canada.*

- 2022 – present Technical Committee member, Z1630: Community Paramedicine.
- 2021 – present Project development lead, Z1660: National Occupational Standard for Paramedics.
- 2019 – present Technical Committee member, Z1635: Canadian Paramedic Information System.
- 2019 – present Technical Committee member, Z1650: Paramedic response to the opioid crisis.

#### *Division of EMS, Dalhousie University, NS, Canada.*

- 2021 – present Senior Appraiser, Prehospital Evidence Based Practice Project.
- 2020 – present Advisory Council member, Prehospital Evidence Based Practice Project.

### **Regional and local service and committee roles**

#### *Queen's University, ON, Canada*

- 2023 – present Weeneebayko Area Health Authority (WAHA) Initiative Curriculum Committee

#### *Monash University, VIC, Australia*

- 2023 – present PhD Milestone Review Panel member, Department of Paramedicine.

#### *Fanshawe College, ON, Canada*

- 2021 – 2023 Research Ethics Board member.

#### *Other*

2020 Ontario Community Paramedicine Secretariat, ON, Canada.  
2018 – 2019 Research Subcommittee, Niagara Emergency Medical Services, ON, Canada.  
2016 – 2017 CARPE study advisory committee, McMaster University, ON, Canada.  
2003 – 2006 Vice-Chairperson, Hon. Secretary, UCC Nursing Society, University College Cork, Ireland.

*National Ambulance, Abu Dhabi, UAE*

2014 – 2015 Faculty advisor, IHI Open School Chapter.

*Non-professional committee roles*

2020 – present Committee member, Otonabee-South Monaghan Food Bank, ON, Canada.

**K. Professional Societies Membership**

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2023 – present Asian Association for Emergency Medical Services (AAEMS), Singapore.  
2023 – present Paramedic Chiefs of Canada, Canada.  
2019 – present Men Advocating Real Change (MARC), USA.  
2014 – present IFEM Geriatric Emergency Medicine Special Interest Group.  
2013 – present Paramedic Association of Canada, Canada.  
1994 – present Irish Red Cross, Ireland (life member).