

PSYNOPSIS 47.1

- FIRST RESPONDERS AND OTHER PUBLIC SAFETY PERSONNEL – PSYCHOLOGICAL IMPACTS OF SERVICE

MESSAGE FROM THE GUEST EDITORS

R. Nicholas Carleton, Ph.D., R.D.Psych., FCAHS, MCRSC and Kelly Dean Schwartz, Ph.D., R.Psych.

1. Benjet, C., Bromet, E., Karam, E. G., et al. (2016). The epidemiology of traumatic event exposure worldwide: results from the World Mental Health Survey Consortium. *Psychological Medicine*, 46(2), 327-343. <https://doi.org/10.1017/S0033291715001981>
2. Kilpatrick, D. G., Resnick, H. S., Milanak, M. E., et al. (2013). National Estimates of Exposure to Traumatic Events and PTSD Prevalence Using DSM-IV and DSM-5 Criteria. *Journal of Traumatic Stress*, 26(5), 537-547. doi:10.1002/jts.21848
3. Perrin, M., Vandeleur, C. L., Castelao, E., et al. (2014). Determinants of the development of post-traumatic stress disorder, in the general population. *Social Psychiatry and Psychiatric Epidemiology*, 49(3), 447-457. doi:10.1007/s00127-013-0762-3
4. Carleton, R. N., Afifi, T. O., Taillieu, T., et al. (2019). Exposures to Potentially Traumatic Events Among Public Safety Personnel in Canada. *Canadian Journal of Behavioural Science*, 51, 37-52. <https://doi.org/10.1037/cbs0000115>
5. Carleton, R. N., Afifi, T. O., Taillieu, T., et al. (2020). Assessing the Relative Impact of Diverse Stressors Among Public Safety Personnel. *International Journal of Environmental Research and Public Health*, 17, 1234. <https://doi.org/10.3390/ijerph17041234>
6. Carleton, R. N., Afifi, T. O., Turner, S., et al. (2018a). Mental Disorder Symptoms Among Public Safety Personnel. *Canadian Journal of Psychiatry*, 63, 54-64. <https://doi.org/10.1177/0706743717723825>
7. Carleton, R. N., Afifi, T. O., Turner, S., et al. (2018b). Suicidal ideation, plans, and attempts among public safety personnel in Canada. *Canadian Psychology/Psychologie canadienne*, 59, 220-231. <https://doi.org/10.1037/cap0000136>
8. Porter, K. L., & Henriksen, R. C. (2016). The phenomenological experience of first responder spouses. *The Family Journal: Counseling and Therapy for Couples and Families*, 24(1), 44-51. <https://doi.org/10.1177/1066480715615651>

9. May, K., Van Hooff, M., Doherty, M., & Iannos, M. (2023). Experiences and perceptions of family members of emergency first responders with post-traumatic stress disorder: A qualitative systematic review. *JBI Evidence Synthesis*, 21(4), 629-668. doi:10.11124/JBIES-21-00433

MESSAGE FROM THE CEO

Lisa Votta-Bleeker, Ph.D.

No references.

FROM THE PRESIDENT'S DESK

Anita Gupta, Ph.D., R.Psych., C.Psych.

No references.

PUBLIC SAFETY PERSONNEL (PSP) AND PSYCHOLOGY IN CANADA – WHERE WE’VE BEEN AND WHERE WE’RE GOING

Kyle Handley, Psy.D.

No references.

SUPPORTING THE MENTAL HEALTH OF SERVING AND FORMER OFFICERS OF THE ROYAL CANADIAN MOUNTED POLICE BY UNDERSTANDING THEIR TRAUMA EXPOSURES

Sarah Lefurgey, B.Sc.; Kate Hill MacEachern, Ph.D.

1. Royal Canadian Mounted Police. (2023). History of the RCMP. <https://www.rcmp-grc.gc.ca/corporate-organisation/history-histoire/index-eng.htm>
2. Royal Canadian Mounted Police (2021). About the RCMP. <https://www.rcmp-grc.gc.ca/en/about-rcmp>
3. Benjet, C., Bromet, E., Karam, E. G., et al. (2016). The epidemiology of traumatic event exposure worldwide: results from the World Mental Health Survey Consortium. *Psychological Medicine*, 46(2), 327-343. <https://doi.org/10.1017/S0033291715001981>
4. Kilpatrick, D. G., Resnick, H. S., Milanak, M. E., et al. (2013). National Estimates of Exposure to Traumatic Events and PTSD Prevalence Using DSM-IV and DSM-5 Criteria. *Journal of Traumatic Stress*, 26(5), 537-547. doi:10.1002/jts.21848
5. Perrin, M., Vandeleur, C. L., Castelao, E., et al. (2014). Determinants of the development of post-traumatic

- stress disorder, in the general population. *Social Psychiatry and Psychiatric Epidemiology*, 49(3), 447-457. doi:10.1007/s00127-013-0762-3
6. Andrews, K. L., Jamshidi, L., Shields, R. E., et al. (2024). Exposures to potentially psychologically traumatic events among Royal Canadian Mounted Police. *Psychological Trauma: Theory, Research, Practice, and Policy*. Advance online publication. <https://doi.org/10.1037/tra0001725>
 7. van der Kolk, B. (2000). Posttraumatic stress disorder and the nature of trauma. *Dialogues in Clinical Neuroscience*, 2(1), 7-22. <https://doi.org/10.31887/DCNS.2000.2.1/bvdkolk>
 8. Carleton, R. N., Afifi, T. O., Turner, S., et al. (2018). Suicidal ideation, plans, and attempts among public safety personnel in Canada. *Canadian Psychology / Psychologie canadienne*, 59(3), 220-231. <https://doi.org/10.1037/cap000136>
 9. National Police Federation. (2024). Behind the badge: Revealing escalating mental health injuries among RCMP members. <https://npf-fpn.com/app/uploads/securerepdfs/2024/02/NPF-Mental-Health-Report-English.pdf>.
 10. Carleton, R. N., Afifi, T. O., Turner, S., et al. (2018). Mental disorder symptoms among public safety personnel in Canada. *The Canadian Journal of Psychiatry*, 63(1), 54-64. <https://doi.org/10.1177/0706743717723825>
 11. Sweet, J., Poirier, A., Pound T., VanTil, L. (2020). Well-being of Canadian regular force veterans, findings from LASS 2019 survey. <https://publications.gc.ca/site/eng/9.889617/publication.html>
 12. Public Health Agency of Canada, Centre for Surveillance and Applied Research. (2024). Suicide Surveillance Indicator Framework. <https://health-infobase.canada.ca/ssif/>
- CONFRONTING CHALLENGES IN LONGITUDINAL RESEARCH FOR PUBLIC SAFETY PERSONNEL**
- Katie L. Andrews, Ph.D.
1. Oliphant R. (2016). Healthy Minds, Safe Communities: Supporting Our Public Safety Officers through a National Strategy for Operational Stress Injuries. Standing Committee on Public Safety and National Security.
 2. Federal Framework on Posttraumatic Stress Disorder: Recognition, Collaboration, and Support. (2020). Public Health Agency of Canada. <https://www.canada.ca/en/>
- public-health/services/publications/healthy-living/federal-framework-post-traumatic-stress-disorder.html
3. Carleton R. N. (2021). Collaborating to support the mental health of public safety personnel: The Canadian Institute for Public Safety Research and Treatment. *Canadian Psychology / Psychologie canadienne*, 62(2), 167-173. doi:10.1037/cap0000267
 4. Anderson G. S., Di Nota P. M., Groll D., Carleton R. N. (2020). Peer Support and Crisis-Focused Psychological Interventions Designed to Mitigate Post-Traumatic Stress Injuries among Public Safety and Frontline Healthcare Personnel: A Systematic Review. *International Journal of Environmental Research and Public Health*, 17(20), 7645. doi:10.3390/ijerph17207645
 5. Di Nota P. M., Bahji A., Groll D., et al. (2021). Proactive psychological programs designed to mitigate posttraumatic stress injuries among at-risk workers: a systematic review and meta-analysis. *Syst Rev.*, 10(1), 126. doi:10.1186/s13643-021-01677-7
 6. Litz B. T., Berke D. S., Kline N. K., et al. (2019). Patterns and predictors of change in trauma-focused treatments for war-related posttraumatic stress disorder. *Journal of Consulting and Clinical Psychology*, 87(11), 1019-1029. doi:10.1037/ccp0000426
 7. Rosen C. S., Eftekhari A., Crowley J. J., et al. (2017). Maintenance and Reach of Exposure Psychotherapy for Posttraumatic Stress Disorder 18 Months After Training. *Journal of Traumatic Stress*, 30(1), 63-70. doi:10.1002/jts.22153
 8. Steenkamp M. M., Litz B. T., Hoge C. W., Marmar C. R. (2015). Psychotherapy for Military-Related PTSD: A Review of Randomized Clinical Trials. *JAMA*, 314(5), 489-500. doi:10.1001/jama.2015.8370
 9. Carleton R. N., Krtzig G. P., Sauer-Zavala S., et al. (2022). Study protocol - The Royal Canadian Mounted Police (RCMP) Study: protocol for a prospective investigation of mental health risk and resilience factors. *Health Promot Chronic Dis Prev Can.*, 42(8), 319-333. doi:10.24095/hpcdp.42.8.02
 10. Carleton R. N., McCarron M., Krätzig G. P., et al. (2022). Assessing the impact of the Royal Canadian Mounted Police (RCMP) protocol and Emotional Resilience Skills Training (ERST) among diverse public safety personnel. *BMC Psychol.*, 10(1), 295. doi:10.1186/s40359-022-00989-0
 11. Shields R. E., Teckchandani T. A., Asmundson G. J. G., et al. (2023). Daily survey participation and positive changes in mental health symptom scores among Royal Canadian Mounted Police Cadets. *Front Psychol.*, 14. doi:10.3389/fpsyg.2023.1145194

12. Nisbet J., Sauer-Zavala S., Andrews K. L., et al. (2025). Public safety personnel's perceptions of mental health training: an assessment of the Emotional Resilience Skills Training. *Cognitive Behaviour Therapy*, 0(0), 1-15. doi:10.1080/16506073.2024.2402995
13. Carleton, R. N., Sauer-Zavala, S., Teckchandani, T. A., et al. (2024). Mental health disorder symptom changes among public safety personnel after Emotional Resilience Skills Training. *Comprehensive Psychiatry*; [Manuscript under review].
14. Teckchandani, T. A., Shields, R. E., Andrews, K. L., et al. (2024). Monthly mental health self-monitoring and positive changes in mental health disorder symptoms scores among Royal Canadian Mounted Police cadets. *International Journal of Cognitive Therapy*; [Manuscript under review].

A DIVERSIFIED TRAJECTORY OF OCCUPATIONAL PSYCHOLOGICAL HEALTH SUPPORT IN A POLICE ENVIRONMENT: TEAMWORK REVIEW OF THE PREVENTION CONTINUUM

Andrée-Ann Deschênes, Ph.D.; Annie Gendron, Ph.D.; Clémence Emeriau Farges, Ph.D.(c); Marie-France Marin, Ph.D.; R. Nicholas Carleton, Ph.D., R.D.Psych., FCAHS, MCRSC.

1. Office québécois de la langue française. (2023). Grand dictionnaire terminologique. <https://vitrinelinguistique.oqlf.gouv.qc.ca/fiche-gdt/fiche/100290/prevention>
2. Le Blanc, P., De Jonge, J., & Schaufeli, W. B. (2000). Job stress and health. In N. Chimieli (Ed.), *Introduction to work and organizational psychology: A European perspective* (pp. 148-177). Oxford: Blackwell Publishers.
3. Van De Leemput, C. (2005). Stress et mal-être au travail. In P. Gilbert, F. Guérin & F. Pigeyre (Eds.), *Organisations et comportements* (pp. 230-237). Paris : Dunod.
4. Deschênes, A.-A., Gendron, A., & Marin, M.-F., (2023). Exploring Best Practices and intervention for Police Psychological Support after a potentially Traumatic Event. Canadian Association of Chiefs of Police, Canadian Policing Wellness Check event. Ottawa. Canada.
5. Deschênes, A.-A., St-Hilaire, G., Crête, E., & Emeriau-Farges, C. (2021). Organizational Levers Supporting Police Officers' Psychological Health in the Workplace After Exposure to a Potentially Psychologically Traumatic Event. *Advances in Social Sciences Research Journal*, 8(8).

6. Holmes, A., & Singewald, N. (2013). Individual differences in recovery from traumatic fear. *Trends in Neurosciences*, 36(1), 23-31. <https://doi.org/10.1016/j.tins.2012.11.003>

INTERNET-DELIVERED COGNITIVE BEHAVIOURAL THERAPY TAILED TO PUBLIC SAFETY PERSONNEL: DEVELOPMENT OF AN ACCESSIBLE OPTION FOR MENTAL CARE

Heather D. Hadjistavropoulos, Ph.D.; Hugh C. McCall, Ph.D.; Jill A. B. Price, Ph.D.

1. Andersson, G., Carlbring, P., Titov, N., et al. (2019). Internet interventions for adults with anxiety and mood disorders: a narrative umbrella review of recent meta-analyses. *Canadian Journal of Psychiatry*, 64, 465-470.
2. Etzelmüller, A., Vis, C., Karyotaki, E., et al. (2020). Effects of internet-based cognitive behavioral therapy in routine care for adults in treatment for depression and anxiety: Systematic review and meta-analysis. *Journal of Medical Internet Research*, 22(8), Article e18100. <https://doi.org/10.2196/18100>
3. McCall, H. C., Beahm, J. D., Fournier, A. K., et al. (2021). Stakeholder perspectives on internet-delivered cognitive behavioural therapy for public safety personnel: A qualitative analysis. *Canadian Journal of Behavioural Science / Revue Canadienne Des Sciences Du Comportement*, 53(3), 232-242. <https://doi.org/10.1037/cbs0000242>
4. Hadjistavropoulos, H. D., Reiser, S., Beahm, J. D., et al. (2023). Internet-delivered cognitive behavioral therapy tailored to spouses and significant others of public safety personnel: A formative evaluation. *JMIR Formative Research*, 7.
5. Hadjistavropoulos, H. D., McCall, H. C., et al. (2024). Outcomes of transdiagnostic internet-delivered cognitive behavioural therapy tailored to public safety personnel: A longitudinal observational study. *Journal of Anxiety Disorders*, 104, 102861. <https://doi.org/10.1016/j.janx-dis.2024.102861>
6. McCall, H., Dear, B. F., Landry, C., et al. (2023). Internet-delivered cognitive behavioural therapy for symptoms of PTSD among public safety personnel: Initial outcomes of an open cohort preference trial of transdiagnostic and disorder-specific therapy. *Internet Interventions*, 33, 100656. <https://doi.org/10.1016/j.invent.2023.100656>

7. McCall, H. C., & Hadjistavropoulos, H. D. (2024). Impact of an Online Discussion Forum on Self-Guided Internet-Delivered Cognitive Behavioral Therapy for Public Safety Personnel: Randomized Trial. *Journal of Medical Internet Research*, 26, 1-23. <https://doi.org/10.2196/59699>
8. Beahm, J. D., McCall, H. C., Carleton, R. N., et al. (2021). Insights into internet-delivered cognitive behavioural therapy for public safety personnel: Exploration of client experiences during and after treatment. *Internet Interventions*, 26, 100481. <https://doi.org/10.1016/j.invent.2021.100481>

GROUP APPROACHES TO WORKING WITH TRAUMA-EXPOSED PROFESSIONALS (TEXP): COMBATING SHAME AND ISOLATION IN TRAUMATIZED FIRST RESPONDERS AND OTHER PUBLIC SAFETY PERSONNEL

Timothy G. Black, Ph.D., R.Psych.

1. Who we are. National Mental Health Service Provider website. <https://woundedwarriors.ca/who-we-are/>.
2. DeCou, C. R., Lynch, S. M., Weber, S., et al. (2023). On the Association Between Trauma-Related Shame and Symptoms of Psychopathology: A Meta-Analysis. *Trauma, Violence, & Abuse*, 24(3), 1193-1201. <https://doi.org/10.1177/15248380211053617>
3. Revranche, M., Hauw, M. E., Kovess-Masfety, V., & Husky, M. M. (2022). Social Support, Social Isolation and Mastery Among Adults Exposed to Traumatic Events. *Journal of Aggression, Maltreatment & Trauma*, 32(3), 285-304. <https://doi.org/10.1080/10926771.2022.2112340>
4. Eyni, S., & Musavi, S. E. (2024). Social isolation of war veterans with post-traumatic stress disorder based on emotional inhibition: The mediating role of rejection sensitivity. *Journal of Military and Veterans Health*, 32(1), 18-27. <https://search.informit.org/doi/10.3316/informit.T2024032200000300865826598>
5. How to Help Your Clients Understand Their Window of Tolerance. National Institute for the Clinical Application of Behavioral Medicine website. <https://www.nicabm.com/trauma-how-to-help-your-clients-understand-their-window-of-tolerance/>
6. Herman, J. (2015). *Trauma and Recovery: The Aftermath of Violence – From Domestic Abuse to Political Terror*. Basic Books: New York.

BECAUSE THEY DESERVE IT: PUTTING FAMILIES FIRST IN FIRST RESPONDER FAMILIES

Hanna Duffy, Ph.D., R.Psych.; Kelly Dean Schwartz, Ph.D., R.Psych.

1. Carleton, R. N., Afifi, T. O., Turner, S., et al. (2018). Mental disorder symptoms among public safety personnel in Canada. *The Canadian Journal of Psychiatry*, 63(1), 54-64. <https://doi.org/10.1177/0706743717723825>
2. Schwartz, K. D., Duffy, H. A., McElheran, M., et al. (2023). Re: Building Families: Mid-program evaluation of a psychoeducation and support program for spouses in first responder families [Symposium presentation]. Canadian Institute for Military and Veteran Health Research (CIMVHR) Forum, Ottawa, ON, Canada.
3. Carleton, R. N., Afifi, T. O., Turner, S., et al. (2020). Mental health training, attitudes toward support, and screening positive for mental disorders. *Cognitive Behaviour Therapy*, 49(1), 55-73. <https://doi.org/10.1080/16506073.2019.1575900>
4. Casas, J. B., & Benuto, L. T. (2022). Work-related traumatic stress spillover in first responder families: A systematic review of the literature. *Psychological Trauma: Theory, Research, Practice, and Policy*, 14(2), 209-217.
5. Schwartz, K. D., Stelnicki, A., McElheran, M., et al. (2022). Towards a trauma-informed system of care for PSP and their families. Invited paper presented at the Canadian Academy of Health Sciences Forum. Montreal, QC.
6. Ricciardelli, R., Carleton, R. N., Groll, D., & Cramm, H. (2018). Qualitatively unpacking Canadian public safety personnel experiences of trauma and their well-being. *Canadian Journal of Criminology and Criminal Justice*, 60(4), 566-577. <https://doi.org/10.3138/cjccj.2017-0053.r2>
7. Sharp, M. L., Solomon, N., Harrison, V., et al. (2022). The mental health and wellbeing of spouses, partners and children of emergency responders: A systematic review. *PLoS one*, 17(6), e0269659. <https://doi.org/10.1371/journal.pone.0269659>
8. Stelnicki, A. M., Jamshidi, L., Taillieu, T. L., et al. (2022). Mental health and well-being among children of public safety personnel in Canada. *International Journal of Environmental Research and Public Health*, 19(21), 14030. <https://doi.org/10.3390/ijerph192114030>

9. Black, T. G., Linford, C., & Linford, K. (2015). Wounded Warriors Canada—Couples Overcoming PTSD Every Day (COPE) program. Wounded Warriors Canada.
10. Schwartz, K. D., Redekop, M., Harris, D., et al. (under review). First responders' and spouses' perception of the impact of operational stress on the family: A qualitative analysis. *Family Relations*.
11. Khan, K. (2022). Intervention perspectives of Public Safety Personnel (PSP) families (Master's thesis, University of Calgary, Calgary, Canada). <https://prism.ucalgary.ca>.
12. Duffy, H., McElheran, M., Stelnicki, A., & Schwartz, K. D. (2024). FD/FR: Functional disconnection and reconnection in public safety personnel families. *Journal of Family Theory & Review*, 16(2), 420-430. <https://doi.org/10.1111/jftr.12555>

MENTAL HEALTH TRAINING FOR THE FRONT-LINE: MOVING FROM REACTIVE TO PROACTIVE

Megan McElheran, Psy.D., R.Psych.

1. Statistics Canada (2023). Number of psychologists in Canada, 2008-2021. <https://www.statista.com/statistics/806108/psychologist-number-in-canada/#:~:text=In%202021%2C%20there%20were%20almost,Canada%20from%202008%20to%202021>.
2. Carleton, R. N., Afifi, T. O., Turner, S., et al. (2018). Mental disorder symptoms among public safety personnel in Canada. *The Canadian Journal of Psychiatry*, 63(1), 54-64.
3. Ioachim, G., Bolt, N., Redekop, M., et al. (2024). Evaluating the before operational stress program: comparing in-person and virtual delivery. *Frontiers in Psychology*, 15.
4. Stelnicki, A. M., Jamshidi, L., Fletcher, A. J., & Carleton, R. N. (2021). Evaluation of before operational stress: A program to support mental health and proactive psychological protection in public safety personnel. *Frontiers in Psychology*, 12, 511755.
5. National Defence. (2024). The road to mental readiness. Canada.ca. <https://www.canada.ca/en/department-national-defence/services/benefits-military/health-support/road-to-mental-readiness.html>

NAVIGATING THE PSYCHOLOGICAL CHALLENGES OF PUBLIC SAFETY SERVICE: BUILDING RESILIENT PATHWAYS

Katy Kamkar, Ph.D., C.Psych.

1. Carleton, R. N., Afifi, T. O., Turner, S., et al. Mental disorder symptoms among public safety personnel in Canada. *Canadian Journal of Psychiatry*, 63(1), 54-64. <https://doi.org/10.1177/0706743717723825>
2. Baranowsky, A. B., & Gentry, J. E. (2015). Trauma practice: Tools for stabilization and recovery (3rd ed.). Hogrefe Publishing.
3. Price, J. A. B., Ogunade, A. O., Fletcher, A. J., et al. (2022). Peer support for public safety personnel in Canada: Towards a typology. *International Journal of Environmental Research and Public Health*, 19(9), 5013. <https://doi.org/10.3390/ijerph19095013>
4. Booker, L. A., Sletten, T. L., Barnes, et al. (2022). The effectiveness of an individualized sleep and shift work education and coaching program to manage shift work disorder in nurses: A randomized controlled trial. *Journal of Clinical Sleep Medicine*, 18(4), 1035-1045. <https://doi.org/10.5664/jcsm.9782>
5. Ellis, J., & Korman, M. B. (2022). Development of an evidence-informed solution to emotional distress in public safety personnel and healthcare workers: The Social Support, Tracking Distress, Education, and Discussion Community (STEADY) program. *Healthcare*, 10(9), 1777. <https://doi.org/10.3390/healthcare10091777>
6. Lansing, A. E., Romero, N. J., Siantz, E., et al. (2023). Building trust: Leadership reflections on community empowerment and engagement in a large urban initiative. *BMC Public Health*, 23, Article 1252. <https://doi.org/10.1186/s12889-023-15860-z>
7. Carleton, R. N., Afifi, T. O., Turner, S., et al. (2018). Mental disorder symptoms among public safety personnel in Canada. *Canadian Journal of Psychiatry*, 63(1), 54-64. <https://doi.org/10.1177/0706743717723825>
8. Beshai, S., Mishra, S., Feeney, J. R., et al. (2022). Resilience in the ranks: Trait mindfulness and self-compassion buffer the deleterious effects of envy on mental health symptoms among public safety personnel. *International Journal of Environmental Research and Public Health*, 19(10), 5926. <https://doi.org/10.3390/ijerph19105926>