

Front Line & Forgotten: Examining Stress, Burnout, & Social Support for 911 Dispatch/Employees

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Outline

- Importance
- Past Research
- Current Research
- Results
- Implications
- Questions



Definition: Mental Health

A state of well-being in which an individual realizes their potential, can cope with the every-day stresses of life, can work productively, and is able to contribute to the community¹⁵

Why is this Important?

Absenteeism

Work Performance

Staff Attitudes and Behaviour

Relationships at Work

Absenteeism

Increase sickness related absences

Poor general health (depression, stress, burnout)

> Physical Conditions (heart disease, ulcers, sleeping disorders, low resistance to infections)

Work Performance

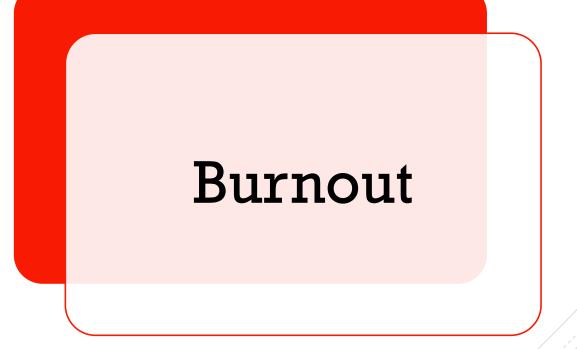
Reduced productivity

Increase in errors

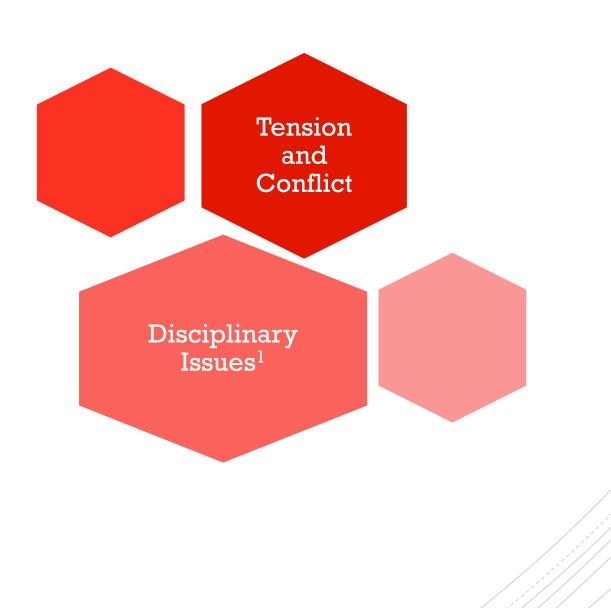
Poor decision making

Staff Attitudes and Behaviour

Loss of motivation and commitment



Relationships at Work



Question

How does your communication center attend to the mental health of its staff?

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Past Research on 911 Dispatchers/Call-Takers

Limited

Focuses on one role

Small sample size

Imperative for assisting navigation of trauma effectively to protect mental health.



External Resources for 911 Dispatchers

External resources available

Less programs available compared to other first responder agencies in Canada.⁹

Work environment

- Organization and its hierarchy
- Past Research Related to Dispatcher Stress
- Chain of command
- Varying levels of authority
- Limited autonomy
- Lack of formal training
- Failure to control situations
- Inability to save lives¹²

Definition: PTSD & Burnout

Posttraumatic Stress Disorder (PTSD)

- Intense, disturbing thoughts and feelings related to an experience
- Relive the event
- Feel sadness, fear or anger
- Feel detached from other people.³

Burnout

- Emotional pressures associated with an environment
- Involvement with people over time.²

Past Research on PTSD & 911 Dispatchers

- Indirect trauma from distressed callers
- Lack of control
- Stress from listening to callers¹³
- PTSD levels higher than in the general population.⁴
- 31% of participants reported symptoms of trauma at a level consistent with PTSD.
- Rate of PTSD symptoms 4X higher than police officers.⁵

Past Research on PTSD for Police, Firefighters, & EMTs/Paramedics

- 2017 survey
- University of Phoenix
- 2 000 US First Responders
- 10% diagnosed with PTSD¹⁴

Past Research on Ameliorating Stress in the Workplace



- Quiet rooms
- Ergonomic equipment
- Rotating shifts
- Guidelines for managing difficult calls
- Feedback after difficult calls
- Positive feedback from supervisors
- Cross-training
- Mandatory educational programs
- Paid stress leave⁸

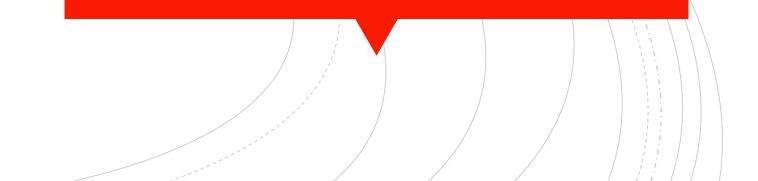


- 911 communication centers in Alberta
- 200 participants
 - 83% female
 - 16% male
 - Age of Participants
 - Average 38
 - Range 22-65
 - Number of years served
 - Average 10
 - Range 0-33

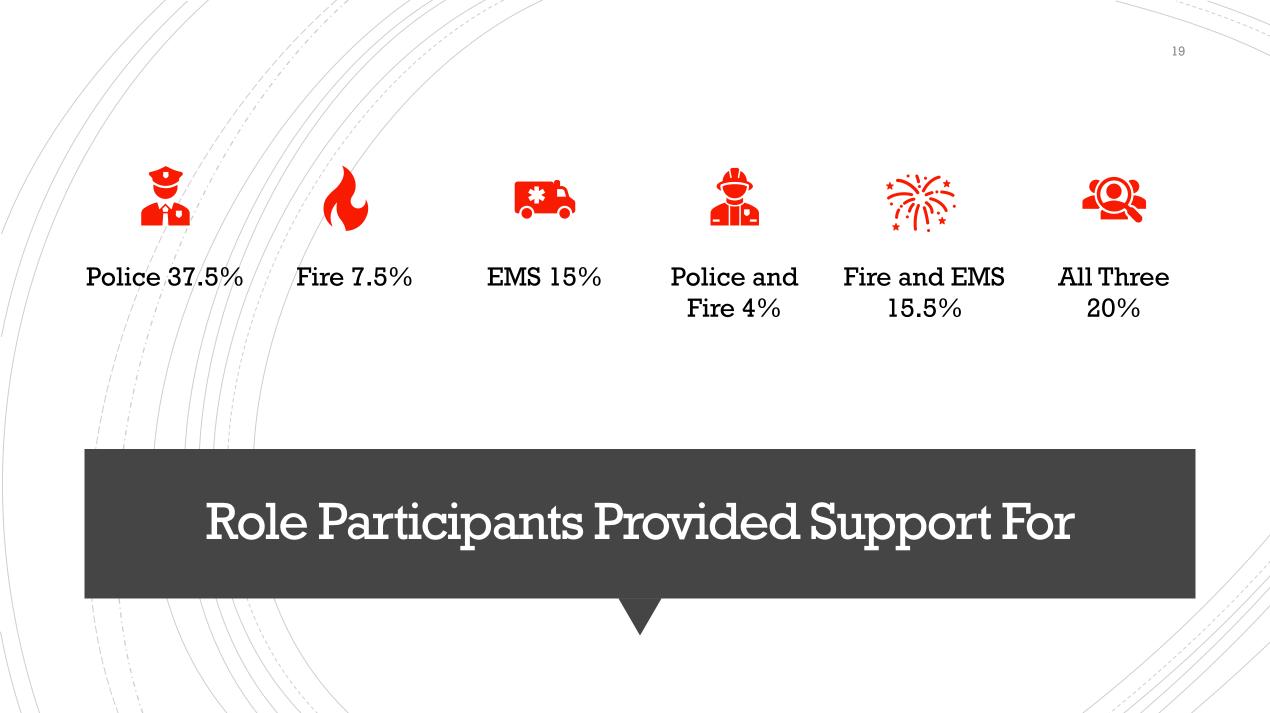
63% of participants served in a community of over 500 000

18

13% served in a community of under 60 000







External Resources

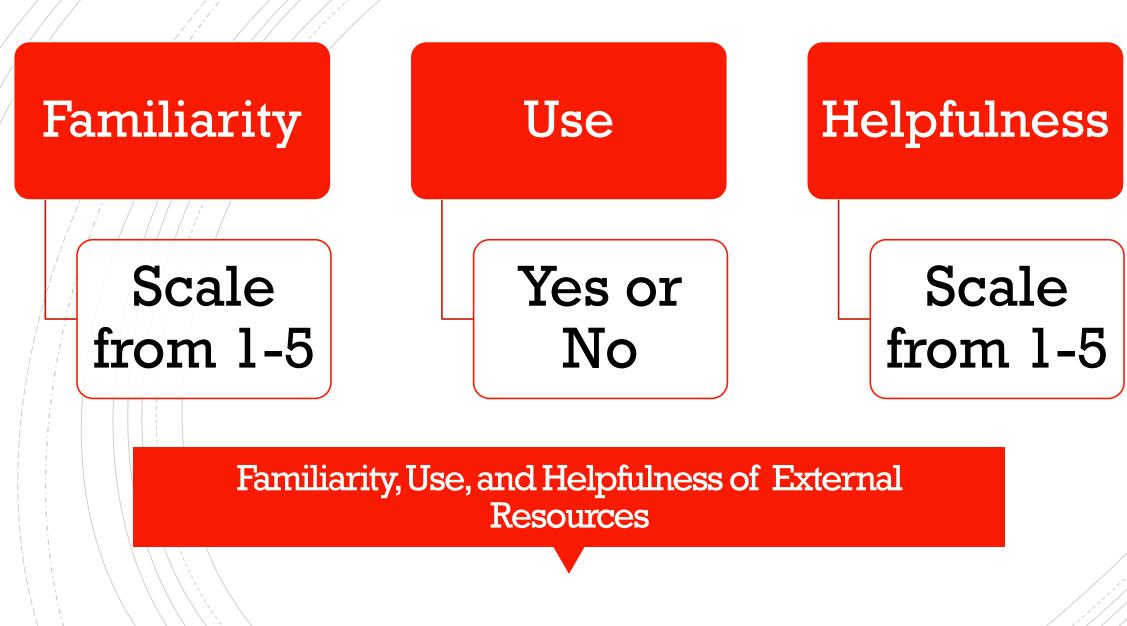
Legacy Place

Respect Canada

Canadian Institute for Public Safety Research and Treatment (CIPSRT)

Alberta Critical Incident Stress Management (ACIAC)

Mental Health Commission of Canada



Familiarity	Use	Helpfulness
38.5%	1.5%	1.5%
I		

Legacy Place

Canada Wide: Alberta Focused Mental Health Programming Advocacy First Responders, 911 Dispatchers, Military Families

Familiarity	Use	Helpfulness
2%	None	None

Respect Canada

 ${\tt Canada\,Wide}$

Collaboration

Networking

Knowledge Sharing

Improve Mental Health Services

Use	Helpfulness	
.5%	.5%	

Canadian Institute for Public Safety Research and Treatment (CIPSRT)

Canada Wide Wellness of Public Safety Personnel Research Exchange of Knowledge Strategic Partnerships

Familiarity	Use	Helpfulness
23%	2%	1.5%
	1	

Alberta Critical Incident Stress Management (ACIAC)

Alberta

Development

Training

Maintenance

Sustainability

Peer-support model

Familiarity	Use	Helpfulness
24.5%	2%	2%
	I	

Mental Health Commission of Canada

Canada Wide Mental Health Courses Working Mind/R2MR



Question

What external resources are available for your agency?

Secondary Traumatic Stress Scale - Revised

- Adapted from experiencing trauma due to client's narratives in a therapy setting.
- Participants responded on scale from 1 to 5.

STSS Subscale

Intrusion:

- Reminders of one's work,
- Having uncontrollable intrusive thoughts about the trauma experienced

Avoidance:

- Feeling emotionally numb
- Avoiding people and situations that serve as reminders of work

Arousal:

- Concentration problems
- Increased irritability associated with a professional's indirect exposure to traumatic calls.⁶

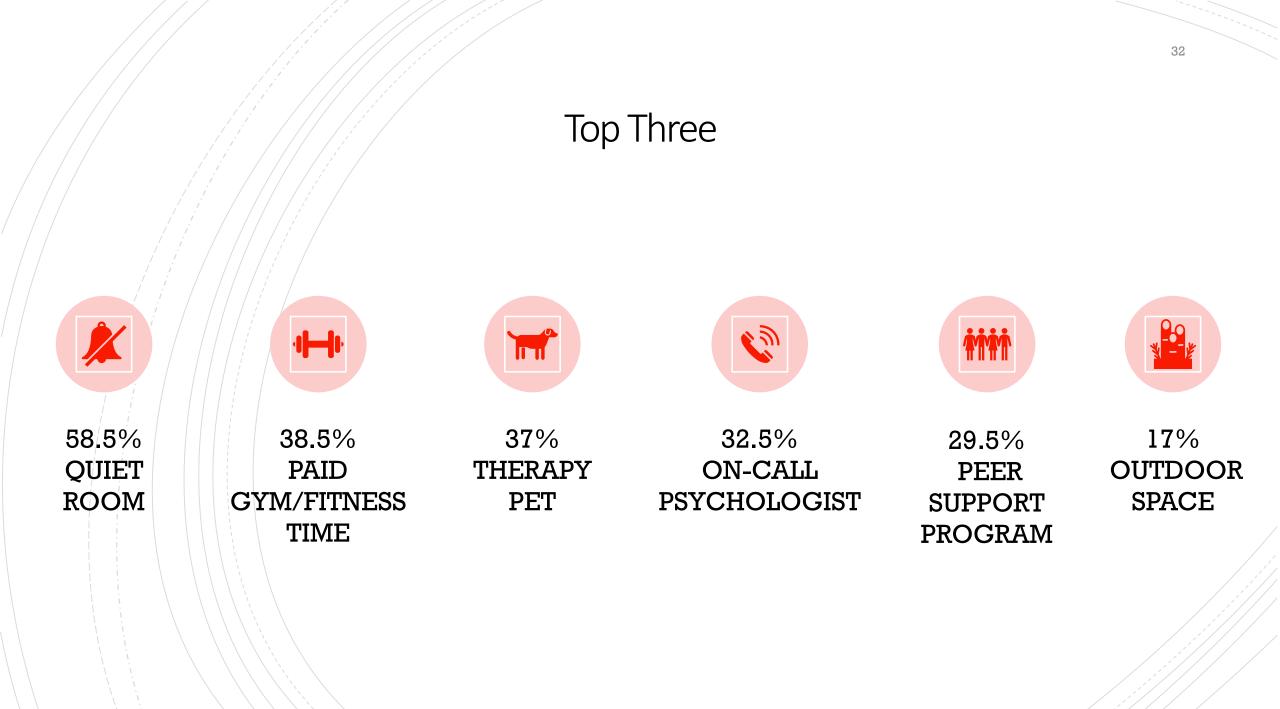


- 37% met diagnostic criteria for PTSD
- 37.5% reported crying at work
- 49.5% reported feeling stressed when there is a shortage of police, fire, and ambulance resources.



Existing Agency Specific Resources

- 77% Employee Assistance Program
- 73.5% Quiet Room
- 71% Peer Support Program
- 50% On-Call Department Psychologist
- 30% Paid Fitness/Gym time
- 29% Team building activities
- 25% Soft Lighting
- 21% Planned Social Events
- 10.5% Therapy Pet
- 6.8% Outdoor Space or Garden



Other Responses

- Debriefing offered after large incident calls
- More avenues for staff to express their ideas and concerns
- Better communication from management
- Better support from management
- Caring Management
- Better support from HR
- Consistent feed back

- Increased staff
- Suicide awareness workshops
- Better mental health leave
- Breaks
- Massages on shift from students
- More mental health benefits (therapy)
- Meditation space
- More mental Health Training

Question

- 10.5% have therapy pet
- 37% would like a therapy pet
- The Psychological Awareness and Wellness Support (PAWS) in Alberta
- Do you think a therapy pet would be beneficial in your communication center?









60.5% Lack of Time

52.5% Stigma (others will judge)

Barriers to Accessing Services

37% Lack of Employer Support

25.5% Lack of Finances

Other Responses:

- Unsure of supports available
- Lack of local resources
- Lack of staffing
- Nothing offered
- Lack of knowledge

Implications



- Educate employees AND management on Mental Health
- Discuss with employees AND management the external resources available
- Apply stress reduction
- Help eliminate stigma
- Discuss with employees concerns they have

References

- 1. Harnois, G. & Gabriel, P. (2002). Mental Health and Work: Impact, issues, and good practices. *Mental Health Policy and Service Development World Health Organization*.
- 2. Burke, T. (1995, October). Dispatcher Stress. FBI Law Enforcement Bulletin, October, 1-6. Burke, T.W. (2005a). Computer aided dispatch (Vol. 1). In L. E. Sullivan & M. Simonetti (Eds.),
- 3. American Psychiatric Association. (2013). Diagnostic and statistical manual of mental disorders (5th ed.). Arlington, VA: Author. (ISBN 978-0890425558).
- 4. Lilly, M.M., & Allen, C.E. (2015). Psychological inflexibility and psychopathology in 9-1-1 telecommunicators. *Journal of Traumatic Stress*, 28, 262-266. doi: 10.1002/jts.22004
- 5. Regehr, C., LeBlanc, V. R., Barath, I., Balch, J., & Birze, A. (2013). Predictors of physiological stress and psychological distress in police communicators. *Police Practice & Research*, 14(6), 451–463. <u>https://doi-org.proxy.lib.pacificu.edu:2443/10.1080/15614263.2012.736718</u>
- 6. NetCe. (2014) Vicarious Trauma and Resilience. Retrieved from: www.NetCE.com
- 7. Bride, B.E., Robinson, M.R., Yegidis, B., & Figley, C.R. (2004). Development and validation of the Secondary Traumatic Stress Scale. Research on Social Work Practice, 14, 27-35.
- 8. Gurevich, M., Halpern, J., Brazeau, P., & Schwartz, B. (2009). Frontline Stress behind the Scenes: Emergency Medical Dispatchers. Retrieved from: <u>https://vtt.ovc.ojp.gov/ojpasset/Documents/WCUL Front Stress Dispatch-508.pdf</u>
- 9. Donnelly, E., Bradford, P., Davis, M., Hedges, C., & Klingel, M. (2016). Predictors of posttraumatic stress and preferred sources of social support among Canadian paramedics. CJEM, 18(3), 205-212. doi:10.1017/cem.2015.92
- 10. Bride, B. (2007). The prevalence of secondary traumatic stress among social workers. Social Work, 52(1), 63-70.
- 11. Regehr, C., & Bober, Ted. (2005). In the line of fire : Trauma in the emergency services (OUP E-Books). Oxford ; New York: Oxford University Press.
- 12. Adams, K., Shakespeare-Finch, J., & Armstrong, D. (2015). An Interpretative Phenomenological Analysis of Stress and Well-Being in Emergency Medical Dispatchers. *Journal of Loss & Trauma*, 20(5), 430–448. <u>https://doi</u> org.proxy.lib.pacificu.edu:2443/10.1080/15325024.2014.949141
- 13. Pierce, Heather & Lilly, Michelle. (2012). Duty-related trauma exposure in 911 telecommunicators: Considering the risk for posttraumatic stress. Journal of traumatic stress.
 25. 211-5. 10.1002/jts.21687.
- 14. University of Phoenix (2019). Majority of First Responders Face Mental Health Challenges in the Workplace. Retrieved from: <u>https://www.phoenix.edu/about_us/media-center/news/uopx-releases-first-responder-mental-health-survey-results.html</u>
- 15. World Health Organization. (2014). Mental Health a State of Wellbeing. Retrieved from: https://www.who.int/features/factfiles/mental health/en/





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QUESTIONS

