



Welcome to **December 2018 issue** of the
Prehospital Emergency Services Current Awareness Update.

The aim of this Current Awareness Update is to provide a digest of information supporting evidence based practice in prehospital emergency services. Access to resources from open access and NICE Evidence Search journals are freely available to Ambulance Trust staff. A number may be only available via your local Library services, where they exist.

Welcome to the December Issue

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Online Bibliography

All this month's articles included here are available through the Mendeley Group [Prehospital Emergency Care Current Awareness Current](#). Notes access requires a free one off registration. Then click through to see the Abstracts with links to sources of full text.

Last month's and all previous month's articles are available from the [backfile](#). This means that information about articles in in past updates is always available.

Pinboards and RSS

Articles are posted daily to a web based *pinboard* created using [Sparrho](#). The [Paramedic Practice](#) pinboard is updated daily.

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Feedback to

Matt Holland, LKS ASE Librarian

(on behalf of the National Ambulance Research Steering Group)

Email: Matt.Holland@nwas.nhs.uk

This Current Awareness Update was commissioned by the National Ambulance Research Steering Group comprising of research leads from ambulance trusts in England, Scotland and Wales and other experts and groups supporting prehospital research. The aim of the group is to support the strategic development of ambulance and prehospital research whether leading, collaborating in or using research.

Research & Best Practice

The following research papers have been published in the last couple of months.

- Papers listed as **Open Access** are freely available in full text from the link provided.
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The research papers have been arranged by the topic headings below: (Ctrl & Click on the heading to go straight to that section)

[Prehospital Practitioners – Professional Development](#)

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Fullerton, L., Oglesbee, S., Weiss, S. J., Ernst, A. A., & Mesic, V. (2019). Assessing the Prevalence and Predictors of Bullying Among Emergency Medical Service Providers. *Prehospital Emergency Care*, 23(1), 9–14. <https://doi.org/10.1080/10903127.2018.1470208>

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NHS OpenAthens

Krebs, W., Higgins, T., Buckley, M., Augustine, J. J., Raetzke, B. D., & Werman, H. A. (2019). Botulism Outbreak in a Regional Community Hospital: Lessons Learned in Transfer and Transport Considerations. *Prehospital Emergency Care*, 23(1), 49–57. <https://doi.org/10.1080/10903127.2018.1476636>

Leadership in today's NHS | The King's Fund. (n.d.). Retrieved January 6, 2019, from <https://www.kingsfund.org.uk/publications/leadership-todays-nhs> **Free to Download**

Martin, T., Ranney, M., Dorroh, J., Asselin, N., & Sarkar, I. (2018). Health Information Exchange in Emergency Medical Services. *Applied Clinical Informatics*, 09(04), 884–891. <https://doi.org/10.1055/s-0038-1676041>

McCann, T. V., Savic, M., Ferguson, N., Bosley, E., Smith, K., Roberts, L., ... Lubman, D. I. (2018). Paramedics' perceptions of their scope of practice in caring for patients with non-medical emergency-related mental health and/or alcohol and other drug problems: A qualitative study. *PLOS ONE*, 13(12), e0208391. <https://doi.org/10.1371/journal.pone.0208391> **Open Access**

Pap, R., Lockwood, C., Stephenson, M., & Simpson, P. (2018). Indicators to measure prehospital care quality. *JBISRIR*, 16(11), 2192–2223. <https://doi.org/10.11124/JBISRIR-2017-003742>

Pap, R., Shabella, L., Morrison, A. J., Simpson, P. M., & Williams, D. M. (2018). Teaching improvement science to paramedicine students: protocol for a systematic scoping review. *Systematic Reviews*, 7(1), 236. <https://doi.org/10.1186/s13643-018-0910-7> **Open Access**

Pruyn, S., Frey, J., Baker, B., Brodeur, M., Graichen, C., Long, H., ... Dailey, M. (2018). Quality Assessment of Expired Naloxone Products from First-Responders' Supplies. *Prehospital Emergency Care*, 1–7. <https://doi.org/10.1080/10903127.2018.1563257>

Semeraro, F., Ristagno, G., Giulini, G., Gnudi, T., Kayal, S., Monesi, A., ... Scapigliati, A. (n.d.). Virtual reality cardiopulmonary resuscitation (CPR): Comparison with a standard CPR training mannequin. *Resuscitation*, 0(0). <https://doi.org/10.1016/J.RESUSCITATION.2018.12.016>

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Chauvin, A., De Villelongue, C., Pateron, D., & Yordanov, Y. (2019). A systematic review of retracted publications in emergency medicine. *European Journal of Emergency Medicine*, 26(1), 19–23. <https://doi.org/10.1097/MEJ.0000000000000491>

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Jones, A., Donald, M. J., & Jansen, J. O. (2018). Evaluation of the provision of helicopter emergency medical services in Europe. *Emerg Med J*, 35(12), 720–725. <https://doi.org/10.1136/EMERMED-2018-207553>

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Oakeshott, J. E., Griggs, J. E., Wareham, G. M., Lyon, R. M., & Kent Surrey Sussex Air Ambulance Trust. (2018). Feasibility of prehospital freeze-dried plasma administration in a UK Helicopter Emergency Medical Service. *European Journal of Emergency Medicine*, 1. <https://doi.org/10.1097/MEJ.0000000000000585>

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Faramand, Z., Frisch, S. O., DeSantis, A., Alrawashdeh, M., Martin-Gill, C., Callaway, C., & Al-Zaiti, S. (2018). Lack of Significant Coronary History and ECG Misinterpretation are the Strongest Predictors of Undertriage in Prehospital Chest Pain. *Journal of Emergency Nursing: JEN : Official Publication of the Emergency Department Nurses Association*, 0(0). <https://doi.org/10.1016/j.jen.2018.10.007>

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Alpert, E. J. (2018). A just outcome, or “just” an outcome? Towards trauma-informed and survivor-focused emergency responses to sexual assault. *Emergency Medicine Journal : EMJ*, 35(12), 753–754. <https://doi.org/10.1136/emered-2018-208099> **NHS OpenAthens**

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Airway Management, Resuscitation & CPR

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- Lendrum, R., Perkins, Z., Chana, M., Marsden, M., Davenport, R., Grier, G., ... Davies, G. (2018). Pre-hospital Resuscitative Endovascular Balloon Occlusion of the Aorta for exsanguinating pelvic haemorrhage. *Resuscitation*, 0(0). <https://doi.org/10.1016/j.resuscitation.2018.12.018> **Open Access**
- Lienhart, H., Cortina, G., & Klingkowsky, U. (2018). Decision making during resuscitation of a drowned child with cardiac arrest. [LETTER] *Resuscitation*, 0(0). <https://doi.org/10.1016/j.resuscitation.2018.12.013> **Open Access**
- Magliocca, A., Olivari, D., De Giorgio, D., Zani, D., Manfredi, M., Boccardo, A., ... Ristagno, G. (2019). LUCAS Versus Manual Chest Compression During Ambulance Transport: A Hemodynamic Study in a Porcine Model of Cardiac Arrest. *Journal of the American Heart Association*, 8(1), e011189. <https://doi.org/10.1161/JAHA.118.011189> **Open Access**
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This Current Awareness Update was commissioned by the National Ambulance Research Steering Group comprising of research leads from ambulance trusts in England, Scotland and Wales and other experts and groups supporting prehospital research. The aim of the group is to support the strategic development of ambulance and prehospital research whether leading, collaborating in or using research.