



**Prehospital Emergency Services  
Current Awareness Update  
Issue 96, May-June 2022**

The aim of this Current Awareness Update is to provide a digest of information supporting evidence based practice in prehospital emergency services.

The issue name relates to when the contained articles were published- the bulletin is published the following month once the national bulletin has been issued.

This is an edited version of  
the update for SCAS staff

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*Prehospital Emergency Services Current Awareness Update – Issue 96, May-June 2022*

**With thanks to Matt Holland, LKS ASE Librarian** (on behalf of the National Ambulance Research Steering Group).  
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.

The research papers have been arranged by the topic headings below:

[Prehospital Practitioners – Professional Development](#)

[Prehospital Research – Methods and Discussion](#)

[Diagnosis & Triage](#)

[Patient Profile](#)

[Helicopter Emergency Medical Services](#)

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Alshahrani, K., et al. (2022). A qualitative, cross-cultural investigation into the impact of potentially traumatic work events on Saudi and UK ambulance personnel and how they cope [OriginalPaper]. *BMC Emergency Medicine*, 22(1), 1-11.

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Carter, A. J. E., et al. (2022). Essential Elements to Implementing a Paramedic Palliative Model of Care: An Application of the Consolidated Framework for Implementation Research. *Journal of palliative medicine*.

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## Prehospital Research – Methods and Discussion

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Pocock, H., et al. (2022). P100 To inform or not? A qualitative evaluation of patient and public opinions on providing information about research participation following out of hospital cardiac arrest. *Resuscitation, 175, S72*.

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## Diagnosis and Triage

Alouidor, R., et al. (2022). Impact of Modified Geriatric Trauma Activation Criteria on patient outcomes at a level 1 trauma center: [research-article]. *Trauma, Online First*.

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## Patient Profile

### Older People

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## Children

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## Other conditions

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## Helicopter Emergency Medical Services

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## On-Scene Interventions

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## Further Research Needed

Hanks, A. e. a. (2022). Community emergency medicine throughout the UK and Ireland: a comparison of current national activity. *Emergency Medicine Journal*, 39(8).

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**Conclusion** While some national variations in services are explained by funding and geographical location, this review process revealed several differences in practice under the umbrella term of CEM. **A national definition of CEM and its aim, with guidance on scope of practice and measurable outcomes, should be generated to ensure high standard and cost-effective emergency care is delivered in the community.**

Hoff, J. J., et al. (2022). Shame and Guilt in EMS: A Qualitative Analysis of Culture and Attitudes in Prehospital Emergency Care [research-article]. *Prehospital Emergency Care*.

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**Conclusion:** EMS clinicians often identify complex patient cases as those leading to emotions such as shame and guilt, with shame reactions being more common when a perceived error was committed. Coping mechanisms were varied, but individuals often relied on their coworkers in a sharing environment to adequately process their negative feelings, which was seen as a departure from past practices in EMS personnel. Our hope is **that future studies will be able to use these findings to identify targets for intervention on negative mental health outcomes in EMS personnel.**

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Walker, D., et al. (2022). Factors Influencing Medication Errors in the Prehospital Paramedic Environment: A Mixed Method Systematic Review [research-article]. *Prehospital Emergency Care, Online First*.

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**Discussion:** The body of evidence regarding medication errors is heterogenous and limited in both quantity and quality. Multiple factors influence medication error occurrence; knowledge of these is necessary to mitigate the risk of errors. Medication error incidence is difficult to quantify due to inconsistent measure, definitions and contexts of research conducted to date. **Further research is required to quantify the prevalence of identified factors in specific practice settings.**

Watkins, P. M., et al. (2022). The prehospital management of ambulance-attended adults who fell: A scoping review. *Australasian Emergency Care, 0(0)*.

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**Conclusion:** The relationship between patient characteristics, falls and resulting injuries were well described in the literature. Other evidence about EMS management in prehospital settings was limited. **Further research regarding prehospital interventions, transport decisions and alternative care pathways in the prehospital setting is recommended.**

Ward, C. E., et al. (2022). Emergency Medical Services Clinicians' Perspectives on Pediatric Non-Transport [research-article]. *Prehospital Emergency Care, Online First*.

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**Conclusions:** EMS clinicians in our study agreed that non-transport is currently a caregiver decision, but noted a collaborative process of shared decision-making where EMS clinicians advise caregivers whether transport is indicated. **Further research is needed to understand the safety of this practice. This study suggests there may be a need for EMS-initiated alternative disposition/non-transport protocols.**

#### New Ebooks and other resources

- [ECG notes : interpretation and management guide](#)
- [Emergency Medical Services : Clinical Practice and Systems Oversight](#)
- [Emergency Medicine Simulation Workbook : A Tool for Bringing the Curriculum to Life](#)
- [Mechanical Ventilation from Pathophysiology to Clinical Evidence](#)
- [Oxford Professional Practice: Handbook of Patient Safety](#)
- [The Paramedic at Work](#)
- [Pharmacology for Paramedics](#)
- [Pocket Anatomy and Physiology](#)
- [Roadmap to Successful Scientific Publishing : The Dos, the Don'ts and the Must-Knows](#)
- [Systematic Reviews in Health Research : Meta-Analysis in Context](#)
- [Textbook of Acute Trauma Care](#)  
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