



**Prehospital Emergency Services  
Current Awareness Update  
Issue 101, May/June 2023**

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 SWASFT staff

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*Prehospital Emergency Services Current Awareness Update – Issue 101, May-Jun 2023*

**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](#)

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## Patient Profile

### Young People

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### Older People

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## Trauma

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## Helicopter Emergency Medical Services

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## On-Scene Interventions

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## Airway Management, Resuscitation & CPR

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## Further Research Needed

**Boland**, L. L., et al., (2023). A Retrospective, Single-Agency Analysis of Ambulance Crashes during a 3-Year Period: Association with EMS Driver Characteristics and a Telematics-Measured Safe Driving Score [research-article]. *Prehospital Emergency Care*.

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**CONCLUSION:** Most ambulance crashes are minor events, but the proportion that result in injury and/or functional or disabling vehicle damage may be as high as one-third. Poor driver compliance with

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objectively measured safe driving behaviors may increase risk for collisions independent of driver sex and age. **The EMS industry would benefit from additional studies that examine the full spectrum of ambulance crashes and expand understanding of EMS driver-related risk factors.**

**Muir, R., et al. (2023).** Patient and public involvement in emergency care research: a scoping review of the literature. *Emergency medicine journal : EMJ*.

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**CONCLUSION:** Relatively few emergency care studies comprehensively describe PPI. Opportunity exists to improve the consistency and quality of reporting of PPI in emergency care research. **Further research is required to better understand the specific challenges for implementing PPI [ Patient and Public Involvement ] in emergency care research, and to determine whether emergency care researchers have adequate resources, education and funding to undertake and report involvement.**

**Sammut, D., et al. (2023).** A Systematic Review of Violence Risk Assessment Tools Currently Used in Emergency Care Settings - Journal of Emergency Nursing. *Journal of Emergency Nursing*, 49(3).

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**DISCUSSION:** There is a paucity of high-quality evidence evaluating the psychometric properties of violence risk assessment tools currently used along the emergency care pathway. Multiple tools exist, and they could have a role in reducing violence in emergency care. **However, the limited testing of their psychometric properties, acceptability, feasibility, and usability in emergency care means that it is not possible to favor one tool over another until further research is conducted.**

**Wilson, C., et al. (2023).** Types and effects of feedback for emergency ambulance staff: a systematic mixed studies review and meta-analysis. *BMJ Quality & Safety*, Online First.

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**CONCLUSION:** This review demonstrated that the evidence base currently does not support a clear single point estimate of the pooled effect of feedback to EMS staff as a single intervention type due to study heterogeneity. **Further research is needed to provide guidance and frameworks supporting better design and evaluation of feedback interventions within EMS.**

## New Ebooks and other resources

- [Coaching and Mentoring for Dummies](#)
- [How Learning Works : Eight Research-Based Principles for Smart Teaching](#)
- [Textbook of Paediatric Emergency Medicine](#)

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