



**Prehospital Emergency Services  
Current Awareness Update  
Issue 111, May/June 2025**

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 111, May-Jun 2025*

**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](#)

[On-Scene Interventions](#)

[Airway Management, Resuscitation & CPR](#)

[Further Research Needed](#)

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#### Further Research Needed \*\*\*AI GENERATED\*\*\*

Original Category	Reference (First Author)	Conclusion Section with Recommendation
Airway Management, Resuscitation & CPR	<b>Bánfai, B., et al. (2025).</b> Improving feasibility of video-assisted cardiopulmonary resuscitation when only one lay responder is present. <i>Resuscitation</i> .	"Although V-CPR quality varied between environments, the method proved feasible even when responders acted alone. <b>Further studies are needed to compare the results</b> with existing V-CPR studies in the presence of more than one lay responder."
Airway Management, Resuscitation & CPR	<b>Lee, J., et al. (2025).</b> Intra-Arrest Transport and Neurological Outcomes in Out-of-Hospital Cardiac Arrest with Initial Shockable Rhythm Who Failed the First Defibrillation... <i>Prehospital Emergency Care</i> .	"In an EMS setting with a limited-service level, intra-arrest transport showed no benefit for OHCA patients with an initial shockable rhythm who remained in refractory shockable rhythms despite the first defibrillation attempt. High-quality on-scene management is crucial before the initiation of hospital transport. <b>Further research is needed to develop integrated systems</b> ensuring effective prehospital and hospital <sup>1</sup> care."
Airway Management, Resuscitation & CPR	<b>Kruit, N., et al. (2025).</b> Pre-hospital ECPR for refractory cardiac arrest – The PRECARE pilot feasibility study. <i>Resuscitation</i> .	"Pre-hospital ECPR was feasible, using an experienced ECMO team from a single-centre. Overall survival was promising in this highly selected group. <b>Further prospective studies are now warranted.</b> "
Diagnosis and Triage	<b>Sandelich, S., et al. (2025).</b> A Comparison of Pediatric Prehospital Opioid Encounters and Social Vulnerability. <i>Prehospital Emergency Care</i> .	"Our findings underscore the importance of leveraging EMS data to understand social disparities and highlight the need for resources to address social determinants of health and the pediatric overdose epidemic. This underscores the need for <b>further research</b> to develop and implement effective strategies to address social disparities in prehospital care."
Diagnosis and Triage	<b>Paulin, J., et al. (2025).</b> Exploring care pathways of patients conveyed by emergency medical services (EMS) through electronic health records. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> .	"Machine learning can be used to predict subsequent events after EMS non-conveyance missions... <b>However, further studies are needed</b> without planned subsequent events to find out the harmful subsequent events, where EMS non-conveyance puts patient safety at risk."

Diagnosis and Triage	<b>Kjærgaard, M., et al. (2025).</b> How to Define a Frequent Caller to the Prehospital Emergency Medical Services? Literature-Based vs. Data-Driven Approach. <i>Prehospital Emergency Care</i> .	"We suggest that the 1%-definition is the most suitable for <b>future research</b> on frequent callers to the prehospital EMS as it was able to account for the complexity of this group of citizens and could be applied across prehospital EMS in other contexts and countries <sup>2</sup> ."
On-Scene Interventions	<b>Gaw, C. E., et al. (2025).</b> Pediatric Emergency Medical Services Activations Involving Naloxone Administration. <i>Prehospital Emergency Care</i> .	"Our findings highlight the safety of prehospital naloxone use... Opportunities exist to leverage linked data sources to develop interventions to improve prehospital opioid poisoning recognition and management. <b>Further research</b> is needed to validate and test these interventions."
Workforce Well-being, Safety, & Competency	<b>Khoshnood, A. M., &amp; Wilhelms, D. B. (2025).</b> Confronting workplace violence in emergency care: insights from global research. <i>BMC Emergency Medicine</i> .	"The studies collectively emphasize the need for tailored preventive measures, comprehensive frameworks, and continued <b>research and innovation</b> to improve patient care and healthcare provider safety."

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