



Prehospital Emergency Services Current Awareness Update Issue 55, January 2018

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

This is an edited version of the update for SWASFT staff

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Prehospital Emergency Services Current Awareness Update – Issue 55, January 2018

With thanks to Matt Holland, North West Ambulance Service 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: (Ctrl & Click on the heading to go straight to that section)

<u>Prehospital Practitioners - Professional Development</u>

<u>Prehospital Research – Methods and Discussion</u>

Diagnosis & Triage

Patient Profile

Helicopter Emergency Medical Services

On-Scene Interventions

Airway Management, Resuscitation & CPR

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Prehospital Practitioners – Roles, Professional Practice and Development

Abelsson, A. et al., 2017. Effect of Repeated Simulation on the Quality of Trauma Care. Clinical Simulation in Nursing, 13(12), pp.601–608.

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Alhazmi, R.A., Parker, R.D. & Wen, S., 2017. Needlestick Injuries Among Emergency Medical Services Providers in Urban and Rural Areas. Journal of Community Health, pp.1–6.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Amiri, A., Vafaeinezhad, R. & Azarpazhooh, M.R., 2018. Time is brain: An online controlling of traffic lights can save lives. Emergency medicine journal: EMJ, 35(1), p.71.

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Anderson, N.E., Gott, M. & Slark, J., 2017. Grey areas: New Zealand ambulance personnel's experiences of challenging resuscitation decision-making. International Emergency Nursing.

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Andrew, E. et al., 2017. Stormy weather: a retrospective analysis of demand for emergency medical services during epidemic thunderstorm asthma. BMJ, p. j5636.

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Bannon, O. & Greenwood, E., 2017. 31 The quality improvement QIP – improving multidisciplinary staff engagement with quality improvement in the RVH emergency department. Emergency Medici ne Journal, 34(12), pp.A880–A882.

Click <u>here</u> to access fulltext-conference abstract- (free online as of 08/01/2018)

Barbee, A.P. et al., 2017. EMS Treatment of Families in an Ambiguous Out-of-Hospital Child Death: The Role of Attribution Errors. Journal of Loss and Trauma, 22(7), pp.564–576.

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Barnette Donnelly, C. et al., 2017. Emergency Medical Services Provider Experiences of Hospice Care. Prehospital Emergency Care, pp.1–7.

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de Nieuport, S.M. de P. d'Haill et al., 2017. Letter. Interhospital transfer of premature neonates from intensive to lower care settings: impact on the clinical condition. Archives of Disease in Childhood - Fetal and Neonatal Edition, 102(6), pp.F560–F561

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Flanagan, B., Lord, B. & Barnes, M., 2017. Is unplanned out-of-hospital birth managed by paramedics "infrequent", "normal" and "uncomplicated"? BMC Pregnancy and Childbirth, 17(1), p.436.

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Leaman, A. & Nutbeam, T., 2017. Response times by the police and ambulance services at motor vehicle crashes in the West Mercia region. Trauma, p.146040861770067.

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Lisitsyn, D., 2017. THESIS - Study of paramedic staff safety comparing Greater Manchester and Finland. Click <u>here</u> to access fulltext (free online as of 08/01/2018)

Maguire, B.J. et al., 2017. Violence against emergency medical services personnel: A systematic review of the literature. American Journal of Industrial Medicine.

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Mercuri, M. et al., 2017. Barriers to the use of emergency medical services for ST-elevation myocardial infarction: Determining why many patients opt for self-transport. Journal of Evaluation in Clinical Practice. Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Naumann, D.N. et al., 2017. Acute stress and frontline healthcare providers. Journal of Paramedic Practice, 9(12), pp.516–521.

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Prehospital Research – Methods and Discussion

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Diagnosis and Triage

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Fallon, A. et al., 2017. Screening for frailty in older emergency department patients: The utility of the Survey of Health, Ageing and Retirement in Europe Frailty Instrument (SHARE-FI). QJM: An International Journal of Medicine.

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Fernandez, A., Benito, J. & Mintegi, S., 2017. Is this child sick? Usefulness of the Pediatric Assessment Triangle in emergency settings. jornal de Pediatria, xx(xx), pp.xxx–xxx.

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Gropen, T.I. et al., 2017. Derivation and Validation of the Emergency Medical Stroke Assessment and Comparison of Large Vessel Occlusion Scales. Journal of Stroke and Cerebrovascular Diseases.

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Jensen, K.O. et al., 2017. Which pre-hospital triage parameters indicate a need for immediate evaluation and treatment of severely injured patients in the resuscitation area? European Journal of Trauma and Emergency Surgery.

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Schröter, C. et al., 2017. Injury severity in polytrauma patients is underestimated using the injury severity score: a single-center correlation study in air rescue. European Journal of Trauma and Emergency Surgery Click here to access abstract, email library.mailbox@nhs.net to request fulltext

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Patient Profile

Children

Gunnvall, K. et al., 2017. Specialist nurses' experiences when caring for preverbal children in pain in the prehospital context in Sweden. International Emergency Nursing.

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Helicopter Emergency Medical Services

Aiolfi, A. et al., 2017. Air Versus Ground Transportation in Isolated Severe Head Trauma: A National Trauma Data Bank Study. The Journal of Emergency Medicine.

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Dhindsa, H.S. et al., 2017. Recognition and Treatment of Eclampsia on a Rural Scene Call: A Case Study of Coordinated Ground and Air Emergency Medical Services. Air Medical Journal, 36(6), pp.341–343.

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Hansen, M.C.T. et al., 2017. Noise exposure during prehospital emergency physicians work on Mobile Emergency Care Units and Helicopter Emergency Medical Services. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 25(1), p.119.

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Peters, J.H. et al., 2017. Are on-scene blood transfusions by a helicopter emergency medical service useful and safe? a multicentre case-control study. European journal of emergency medicine: official journal of the European Society for Emergency Medicine, p.1.

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Raitt, J.E., Norris-cervetto, E. & Hawksley, O., 2017. A report of two years of pre-hospital blood transfusions by Thames Valley Air Ambulance. Trauma, pp.1–4.

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Rasmussen, K., Røislien, J. & Sollid, S.J.M., 2017. Does Medical Staffing Influence Perceived Safety? An International Survey on Medical Crew Models in Helicopter Emergency Medical Services. Air Medical Journal. Click here to access fulltext (free online as of 08/01/2018)

Thomas, S.H. & Blumen, I., 2017. Helicopter Emergency Medical Services Literature 2014 to 2016: Lessons and Perspectives, Part 1—Helicopter Transport for Trauma. Air Medical Journal.

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Thomas, S.H. & Blumen, I., 2017. Helicopter Emergency Medical Services Literature 2014 to 2016: Lessons and Perspectives, Part 2—Nontrauma Transports and General Issues. Air Medical Journal.

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On-Scene Interventions

Alam, N. et al., 2017. Prehospital antibiotics in the ambulance for sepsis: a multicentre, open label, randomised trial. The Lancet Respiratory Medicine, 6(1), pp.40–50.

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Bréchot, N. et al., 2017. Retrieval of severe acute respiratory failure patients on extracorporeal membrane oxygenation: Any impact on their outcomes? The Journal of Thoracic and Cardiovascular Surgery.

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Buckland, D.M. et al., 2017. Ketamine in the Prehospital Environment: A National Survey of Paramedics in the United States. Prehospital and Disaster Medicine, pp.1–6.

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Lord, B., Jennings, P.A. & Smith, K., 2017. Effects of the Introduction of Intranasal Fentanyl on Reduction of Pain Severity Score in Children An Interrupted Time-Series Analysis. Pediatric Emergency Care, p.1. Click here to access abstract, email library.mailbox@nhs.net to request fulltext

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Airway Management, Resuscitation & CPR

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Giles, T., De Lacey, S. & Muir-Cochrane, E., 2017. How do clinicians practice the principles of beneficence when deciding to allow or deny family presence during resuscitation? Journal of Clinical Nursing. Click here to access abstract, email library.mailbox@nhs.net to request fulltext

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