



**Prehospital Emergency Services
Current Awareness Update
Issue 68, February 2019**

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 68, February 2019

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:

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[Prehospital Research – Methods and Discussion](#)

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[Helicopter Emergency Medical Services](#)

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Adelgaïs, K. M., Sholl, J. M., Alter, R., Gurley, K. L., Broadwater-Hollifield, C., & Taillac, P. (2019). Challenges in Statewide Implementation of a Prehospital Evidence-Based Guideline: An Assessment of Barriers and Enablers in Five States. *Prehospital Emergency Care*, 23(2), 167–178.

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Agarwal, G., Pirrie, M., McLeod, B., Angeles, R., Tavares, W., Marzanek, F., & Thabane, L. (2019). Rationale and methods of an Evaluation of the Effectiveness of the Community Paramedicine at Home (CP@home) program for frequent users of emergency medical services in multiple Ontario regions: a study protocol for a randomized controlled trial. *Trials*, 20(1), 75.

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Eburn, M., & Eburn, M. (2019). Registered paramedics, insurance and first aid – looking for coherence in law. *Australasian Journal of Paramedicine*, 16(0).

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Freytag, J., Stroben, F., Hautz, W. E., Schaubert, S. K., & Kämmer, J. E. (2019). Rating the quality of teamwork—a comparison of novice and expert ratings using the Team Emergency Assessment Measure (TEAM) in simulated emergencies. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), 12.

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Hwang, C. W., Fitzpatrick, D. E., Becker, T. K., & Jones, J. M. (2019). Paramedic determination of appropriate emergency department destination. *The American Journal of Emergency Medicine*, 37(3), 482–485.

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Martin, A., & O'Meara, P. (2019). Perspectives from the frontline of two North American community paramedicine programs: an observational, ethnographic study. *Rural and Remote Health*, 19(1), 4888.

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Prehospital Research – Methods and Discussion

**** SWASFT author**** Robinson, M. J., Taylor, J., Brett, S. J., Nolan, J. P., Thomas, M., Reeves, B. C., ... Benger, J. R. (2019). Design and implementation of a large and complex trial in emergency medical services. *Trials*, 20(1), 108.

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Diagnosis and Triage

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Beltramini, A., Galinski, M., Chabernaude, J. L., Ruiz Almenar, R., Tsapis, M., Goddet, N. S., ... Fournier-Charrière, E. (2019). Pain Assessment in Children Younger Than 8 Years in Out-of-Hospital Emergency Medicine. *Pediatric Emergency Care*, 35(2), 125–131.

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Wang, I.-J., Bae, B.-K., Park, S.-W., Cho, Y.-M., Lee, D.-S., Min, M.-K., ... Jang, J.-H. (2019). Pre-hospital modified shock index for prediction of massive transfusion and mortality in trauma patients. *The American Journal of Emergency Medicine*.

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Ward, C. E., Badolato, G. M., Breslin, K., Brown, K., & Simpson, J. N. (2019). Evaluation of a Selective Prehospital Pediatric Spinal Protection Protocol. *Prehospital Emergency Care*, 1–12.

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Waseem, M., Chen, J., Leber, M., Giambrone, A. E., & Gerber, L. M. (2019). A Reexamination of the Accuracy of the Broselow Tape as an Instrument for Weight Estimation. *Pediatric Emergency Care*, 35(2), 112–116.

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Patient Profile

Amato, S., Nobay, F., Amato, D. P., Abar, B., & Adler, D. (2019). Sick and unsheltered: Homelessness as a major risk factor for emergency care utilization. *The American Journal of Emergency Medicine*, 37(3), 415–420.

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Brown, E., Tohira, H., Bailey, P., Fatovich, D., Pereira, G., & Finn, J. (2019). Older age is associated with a reduced likelihood of ambulance transport to a trauma centre after major trauma in Perth. *Emergency Medicine Australasia*.

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Helicopter Emergency Medical Services

Bootland, D., Rose, C., Barrett, J. W., & Lyon, R. (2019). Pre-hospital anaesthesia and assessment of head injured patients presenting to a UK Helicopter Emergency Medical Service with a high Glasgow Coma Scale: a cohort study. *BMJ Open*, 9(2), e023307.

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Peters, J. H., Smulders, P. S. H., Moors, X. R. J., Bouman, S. J. M., Meijs, C. M. E. M., Hoogerwerf, N., & Edwards, M. J. R. (2019). Are on-scene blood transfusions by a helicopter emergency medical service useful and safe? A multicentre case-control study. *European Journal of Emergency Medicine*, 26(2), 128–132.

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Pulkkinen, I., Pirnes, J., Rissanen, A., & Laukkanen-Nevala, P. (2019). Impact of icing weather conditions on the patients in helicopter emergency medical service: a prospective study from Northern Finland. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), 13.

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