



Welcome to **July 2019 issue** of the
Prehospital Emergency Services Current Awareness Update.

The aim of this Current Awareness Update is to provide a digest of information supporting evidence based practice in prehospital emergency services. Access to resources from open access and NICE Evidence Search journals are freely available to Ambulance Trust staff. A number may be only available via your local Library services, where they exist.

Welcome to the July Issue

Not got an NHS OpenAthens account?

Only one-fifth of NHS ambulance service staff have an OpenAthens account. Don't miss out. Getting one is easy. All you have to do is self-register. Go to this link today and start your NHS OpenAthens journey. [<https://openathens.nice.org.uk>]



Different ways to access the update

If you are reading this then you are already using the pdf/Word version of the Update. There are alternative social media routes you could try.

Twitter

Follow [@LksAse](#) or go to. This account Tweets the latest relevant research for Paramedic Practice as it's published from scholarly/academic journals.

Online Bibliography

All this month's articles included here are available through the Mendeley Group [Prehospital Emergency Care Current Awareness Current](#). Notes access requires a free one off registration. Then click through to see the Abstracts with links to sources of full text.

Last month's and all previous month's articles are available from the [backfile](#). This means that information about articles in in past updates is always available.

RSS

The RSS feeds that are used to create this update are also available online via [Feedly](#). [Click through to see the RSS feeds](#).

KnowledgeShare your personalised Current AwarenessService



Sign up for your personalised Current Awareness Service from KnowledgeShare. Complete the registration form [here](#).

Feedback to

Matt Holland, LKS ASE Librarian

(on behalf of the National Ambulance Research Steering Group)

Email: Matt.Holland@nwas.nhs.uk

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.

Research & Best Practice

The following research papers have been published in the last couple of months.

- Papers listed as **Open Access** are freely available in full text from the link provided.
- Papers listed as **NHS OpenAthens** will require you to log in with an **NHS OpenAthens User Name** and **Password** to obtain the full text. These links take you to the abstract initially. To read the whole paper, choose either 'full text' or 'pdf' from the options on the abstract page. The full text option will present the article as a single webpage, the pdf. option will open as a digital copy of the original paper. Selecting either will open a page with the following link for you to enter your Athens username and password;

To view this item, select one of the options below:

Login via Athens or your home organisation

To create your own Athens username and password, simply visit:

<https://openathens.nice.org.uk/>

- Where papers are not available either through **Open Access** or with your **NHS OpenAthens** you may be able to get access through your own Library Service or from the [LKS ASE Request an article service](#) , or University Library, if you are registered on a course.

The research papers have been arranged by the topic headings below: (Ctrl & Click on the heading to go straight to that section)

[Prehospital Practitioners – Professional Development](#)

[Prehospital Research – Methods and Discussion](#)

[Diagnosis & Triage](#)

[Patient Profile](#)

[Helicopter Emergency Medical Services](#)

[On-Scene Interventions](#)

[Airway Management, Resuscitation & CPR](#)

You can find the complete **archive** of the .pdf version of Prehospital Emergency Services Current Awareness Update at the link below.

<https://ambulance.libguides.com/currentawareness>

Prehospital Practitioners – Professional Development

Request
an article

To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

AlShammari, T. *et al.* (2019a) 'Emergency medical services core competencies: a Delphi study', *Australasian Journal of Paramedicine*, 16(0). doi: [10.33151/ajp.16.688](https://doi.org/10.33151/ajp.16.688). **Open Access**

AlShammari, T. *et al.* (2019b) 'National study of emergency medical services core competencies: a confirmatory factor analysis', *Australasian Journal of Paramedicine*, 16(0). doi: [10.33151/ajp.16.706](https://doi.org/10.33151/ajp.16.706). **Open Access**

Anderson, N. *et al.* (2019) 'How are ambulance personnel prepared and supported to withhold or terminate resuscitation and manage patient death in the field? A scoping review', *Australasian Journal of Paramedicine*, 16(0). doi: [10.33151/ajp.16.697](https://doi.org/10.33151/ajp.16.697). **Open Access**

Anderson, N. E. *et al.* (2019) 'Paramedic student confidence, concerns, learning and experience with resuscitation decision-making and patient death: A pilot survey', *Australasian Emergency Care*. doi: [10.1016/j.auec.2019.07.001](https://doi.org/10.1016/j.auec.2019.07.001).

Buckley, C. *et al.* (2019) 'Finessing Feedback: Recommendations for Effective Feedback in the Emergency Department.', *Annals of emergency medicine*, 0(0). doi: [10.1016/j.annemergmed.2019.05.016](https://doi.org/10.1016/j.annemergmed.2019.05.016).

Carley, S. (2019) '#FOAMed errors: does the opportunity for speedy resolution outweigh the risk of rapid dissemination?', *Emergency medicine journal : EMJ*, 36(8), pp. 452–452. doi: [10.1136/emered-2019-208787](https://doi.org/10.1136/emered-2019-208787). **NHS OpenAthens**

Castro-Marin, F. *et al.* (2019) 'Prehospital Protocols Reducing Long Spinal Board Use Are Not Associated with a Change in Incidence of Spinal Cord Injury', *Prehospital Emergency Care*, pp. 1–9. doi: [10.1080/10903127.2019.1645923](https://doi.org/10.1080/10903127.2019.1645923).

Caudle, A. *et al.* (2019) 'Nonsense, normative or necessity: the purpose of repeating a modified internship for qualified paramedics to move between Australian states: perspective from one state service', *Australasian Journal of Paramedicine*, 16(0). doi: [10.33151/ajp.16.674](https://doi.org/10.33151/ajp.16.674). **Open Access**

Colbeck, M. *et al.* (2019) 'Australasian paramedic clinical practice guidelines for managing cardiac arrest: an appraisal', *Australasian Journal of Paramedicine*, 16(0). doi: [10.33151/ajp.16.713](https://doi.org/10.33151/ajp.16.713). **Open Access**

Collén Benneck, J. and Bremer, A. (2019) 'Registered nurses' experiences of near misses in ambulance care – A critical incident technique study', *International Emergency Nursing*, pp. 100776–100776. doi: [10.1016/J.IENJ.2019.05.002](https://doi.org/10.1016/J.IENJ.2019.05.002).

Edwards, S. and Roland, D. (2019) 'Learning from mistakes on social media.', *Emergency medicine journal : EMJ*, 36(8), pp. 453–455. doi: [10.1136/emered-2019-208501](https://doi.org/10.1136/emered-2019-208501). **NHS OpenAthens**

Gutenstein, M. (2019) 'Daring to be wise: We are black boxes, and artificial intelligence will be the solution', *Emergency Medicine Australasia*, pp. 1742-6723.13363. doi: [10.1111/1742-6723.13363](https://doi.org/10.1111/1742-6723.13363).

Halle-Smith, J. M. *et al.* (2019) 'Twenty Years of Military Prehospital Care in the Eastern Sovereign Base Area, Cyprus', *Journal of the Royal Army Medical Corps*, p. jramc-2019-001221. doi: [10.1136/jramc-2019-001221](https://doi.org/10.1136/jramc-2019-001221).

- Knapp, J. *et al.* (2019) 'Influence of prehospital physician presence on survival after severe trauma', *Journal of Trauma and Acute Care Surgery*, pp. 1–1. doi: [10.1097/TA.0000000000002444](https://doi.org/10.1097/TA.0000000000002444).
- Kremers, M. N. T. *et al.* (2019a) 'Strengths and weaknesses of the acute care systems in the United Kingdom and the Netherlands: what can we learn from each other?', *BMC Emergency Medicine*, 19(1), pp. 40–40. doi: [10.1186/s12873-019-0257-y](https://doi.org/10.1186/s12873-019-0257-y). **Open Access**
- Larouche, D. *et al.* (2019) 'To what extent do paramedics apply safe handling principles when transferring patients from stair chairs to stretchers?', *Ergonomics*, pp. 1–14. doi: [10.1080/00140139.2019.1641629](https://doi.org/10.1080/00140139.2019.1641629).
- Lee, D., Stahlman, B. and Sharrah, M. (2019) 'Daylight Saving Time is not Associated with an Increased Number of Trauma Activations', *Western Journal of Emergency Medicine*, 20(4), pp. 585–586. doi: [10.5811/westjem.2019.5.42780](https://doi.org/10.5811/westjem.2019.5.42780). **Open Access**
- Martin, A. and Manley, K. (2019) 'Developing an integrated career and competence framework for a whole systems approach to urgent and emergency care delivery', *International Emergency Nursing*, pp. 100784–100784. doi: [10.1016/J.IENJ.2019.06.007](https://doi.org/10.1016/J.IENJ.2019.06.007).
- Mitra, B. *et al.* (2019) 'Proactive review by the emergency department before inter-hospital transfer (the PREVENT study)', *Emergency Medicine Australasia*, pp. 1742-6723.13338. doi: [10.1111/1742-6723.13338](https://doi.org/10.1111/1742-6723.13338).
- Morbey, R. *et al.* (2019) 'Potential added value of the new emergency care dataset to ED-based public health surveillance in England: an initial concept analysis.', *Emergency medicine journal : EMJ*, 36(8), pp. 459–464. doi: [10.1136/emered-2018-208323](https://doi.org/10.1136/emered-2018-208323). **NHS OpenAthens**
- Mulholland, P., Barnett, T. and Woodroffe, J. (2019) 'A grounded theory of interprofessional learning and paramedic care', *Journal of Interprofessional Care*, pp. 1–10. doi: [10.1080/13561820.2019.1635095](https://doi.org/10.1080/13561820.2019.1635095).
- Norberg Boysen, G. *et al.* (2019a) 'Patient trust and patient safety for low-priority patients: A randomized controlled trial pilot study in the prehospital chain of care', *International Emergency Nursing*, pp. 100778–100778. doi: [10.1016/J.IENJ.2019.06.001](https://doi.org/10.1016/J.IENJ.2019.06.001).
- O'Callaghan, E. L. *et al.* (2019) 'Compassion satisfaction and compassion fatigue in Australian emergency nurses: A descriptive cross-sectional study', *International Emergency Nursing*, pp. 100785–100785. doi: [10.1016/J.IENJ.2019.06.008](https://doi.org/10.1016/J.IENJ.2019.06.008).
- Reay, G. *et al.* (2019) 'Transition in Care from EMS Providers to Emergency Department Nurses: A Systematic Review', *Prehospital Emergency Care*, pp. 1–13. doi: [10.1080/10903127.2019.1632999](https://doi.org/10.1080/10903127.2019.1632999).
- Rivard, M. K. *et al.* (2019) 'Comprehensive Description of the Advanced Emergency Medical Technician Certification Level', *Prehospital Emergency Care*, pp. 1–7. doi: [10.1080/10903127.2019.1639862](https://doi.org/10.1080/10903127.2019.1639862).
- Rue, C. A. *et al.* (2019) 'A job task analysis to describe the physical demands of specialist paramedic roles in the National Ambulance Resilience Unit (NARU)', *Work*, pp. 1–11. doi: [10.3233/WOR-192960](https://doi.org/10.3233/WOR-192960).
- Santiago, J. P. and Lickiss, P. B. (2019) 'Controlled Substances Compliance for Transport Programs', *Air Medical Journal*, 0(0). doi: [10.1016/j.amj.2019.06.007](https://doi.org/10.1016/j.amj.2019.06.007).
- Subbe, C. P. *et al.* (2019) 'Quality metrics for the evaluation of Rapid Response Systems: Proceedings from the third international consensus conference on Rapid Response Systems.', *Resuscitation*, 141, pp. 1–12. doi: [10.1016/j.resuscitation.2019.05.012](https://doi.org/10.1016/j.resuscitation.2019.05.012).

Timms, V. (2019) 'BET 1: To debrief or not debrief.', *Emergency medicine journal : EMJ*, 36(7), pp. 444–445. doi: [10.1136/emered-2019-208698.2](https://doi.org/10.1136/emered-2019-208698.2). **NHS OpenAthens**

Vaziri, L. *et al.* (2019) 'Paramedic direct referrals to senior decision maker: is this the way forward? A pilot project in acute general medicine and ambulatory care at the John Radcliffe Hospital, Oxford', *Clinical Medicine*, 19(Suppl 3), pp. 49–49. doi: [10.7861/clinmedicine.19-3-s49](https://doi.org/10.7861/clinmedicine.19-3-s49). **Open Access**

Weston, B. W. *et al.* (2019) 'Fear and paperwork: Evaluating barriers to safer prehospital care.', *The American journal of emergency medicine*, 0(0), pp. 158375–158375. doi: [10.1016/j.ajem.2019.158375](https://doi.org/10.1016/j.ajem.2019.158375).

Williams, B., Edlington, T. and Edlington, T. (2019) 'Attitudes towards continuing professional development: a qualitative study of Australian paramedics', *Australasian Journal of Paramedicine*, 16(0). doi: [10.33151/ajp.16.717](https://doi.org/10.33151/ajp.16.717). **Open Access**

Prehospital Research – Methods and Discussion

Request
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

Adam, D. (2019) 'How a data detective exposed suspicious medical trials', *Nature*, 571(7766), pp. 462–464. doi: [10.1038/d41586-019-02241-z](https://doi.org/10.1038/d41586-019-02241-z). **Open Access**

Kea, B., Hall, M. K. and Wang, R. (2019) 'Recognising bias in studies of diagnostic tests part 2: interpreting and verifying the index test.', *Emergency medicine journal : EMJ*, 36(8), pp. 501–505. doi: [10.1136/emered-2019-208447](https://doi.org/10.1136/emered-2019-208447). **NHS OpenAthens**

Long, E. *et al.* (2019) 'Review article: A primer for clinical researchers in the emergency department: Part IX. How to conduct a systematic review in the field of emergency medicine', *Emergency Medicine Australasia*, 31(4), pp. 516–524. doi: [10.1111/1742-6723.13298](https://doi.org/10.1111/1742-6723.13298).

ter Avest, E. and Lameijer, H. (2019) "'PARAMEDIC-2: Big study, small result'", *Netherlands Heart Journal*, 27(7–8), pp. 341–342. doi: [10.1007/s12471-019-1302-x](https://doi.org/10.1007/s12471-019-1302-x). **Open Access**

Powers, P. E. *et al.* (2019) 'Public Deliberation as a Novel Method for an Exception From Informed Consent Community Consultation', *Academic Emergency Medicine*. Edited by C. Newgard, p. acem.13827-acem.13827. doi: [10.1111/acem.13827](https://doi.org/10.1111/acem.13827).

Rosell, B. J. *et al.* (2019) 'Subject Retention in Prehospital Stroke Research Using a Telephone-Based Physician-Investigator Driven Enrollment Method', *Cerebrovascular Diseases Extra*, 9(2), pp. 72–76. doi: [10.1159/000500851](https://doi.org/10.1159/000500851). **Open Access**

Smyth, M. A. *et al.* (2019) 'Derivation and internal validation of the screening to enhance prehospital identification of sepsis (SEPSIS) score in adults on arrival at the emergency department', *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), pp. 67–67. doi: [10.1186/s13049-019-0642-2](https://doi.org/10.1186/s13049-019-0642-2). **Open Access**

Wang, H. E. *et al.* (2019) 'Bayesian Analysis of the Pragmatic Airway Resuscitation Trial.', *Annals of emergency medicine*, 0(0). doi: [10.1016/j.annemergmed.2019.05.009](https://doi.org/10.1016/j.annemergmed.2019.05.009).

Helicopter Emergency Medical Services (HEMS) and Air Medical

Request
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

Davis, P. *et al.* (2019) 'Paramedic-initiated helivac to tertiary hospital for primary percutaneous coronary intervention: a strategy for improving treatment delivery times', *Journal of Thoracic Disease*, 11(5), pp. 1819–1830. doi: [10.21037/jtd.2019.05.45](https://doi.org/10.21037/jtd.2019.05.45). [Open Access](#)

Gibbs, S. G. *et al.* (2019) 'Review of Literature for Air Medical Evacuation High-Level Containment Transport', *Air Medical Journal*, 0(0). doi: [10.1016/j.amj.2019.06.006](https://doi.org/10.1016/j.amj.2019.06.006).

McLean, J. *et al.* (2019) 'First Reported Helicopter In-flight Serratus Plane Block for Rib Fractures', *Air Medical Journal*, 0(0). doi: [10.1016/j.amj.2019.06.003](https://doi.org/10.1016/j.amj.2019.06.003).

Pappinen, J., Olkinuora, A. and Laukkanen-Nevala, P. (2019) 'Defining a mission-based method to determine a HEMS unit's actual service area', *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), pp. 63–63. doi: [10.1186/s13049-019-0640-4](https://doi.org/10.1186/s13049-019-0640-4). [Open Access](#)

Diagnosis and Triage

Request
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

Borrelli, G. *et al.* (2019) 'Early recognition of sepsis through emergency medical services pre-hospital screening.', *The American journal of emergency medicine*, 37(8), pp. 1428–1432. doi: [10.1016/j.ajem.2018.10.036](https://doi.org/10.1016/j.ajem.2018.10.036).

Chiu, Y.-C. *et al.* (2019) 'Using G-FAST to recognize emergent large vessel occlusion: a training program for a prehospital bypass strategy', *Journal of NeuroInterventional Surgery*, p. neurintsurg-2019-015171. doi: [10.1136/neurintsurg-2019-015171](https://doi.org/10.1136/neurintsurg-2019-015171).

Crilly, J., Robinson, J., *et al.* (2019) 'Recognition, response and outcomes of sepsis: A dual site retrospective observational study', *International Emergency Nursing*. doi: [10.1016/J.IENJ.2019.06.005](https://doi.org/10.1016/J.IENJ.2019.06.005).

Jousi, M., Björkman, J. and Nurmi, J. (2019) 'Point-of-care analyses of blood samples from intraosseous access in pre-hospital critical care', *Acta Anaesthesiologica Scandinavica*, p. aas.13443-aas.13443. doi: [10.1111/aas.13443](https://doi.org/10.1111/aas.13443).

Kaier, T. E. *et al.* (2019) 'Cardiac Myosin-Binding Protein C to Diagnose Acute Myocardial Infarction in the Pre-Hospital Setting', *Journal of the American Heart Association*, 8(15), pp. e013152–e013152. doi: [10.1161/JAHA.119.013152](https://doi.org/10.1161/JAHA.119.013152). [Open Access](#)

Lane, D. J. *et al.* (2019) 'Assessing Severity of Illness in Patients Transported to Hospital by Paramedics: External Validation of 3 Prognostic Scores', *Prehospital Emergency Care*, pp. 1–9. doi: [10.1080/10903127.2019.1632998](https://doi.org/10.1080/10903127.2019.1632998).

Long, B., Koyfman, A. and Gottlieb, M. (2019) 'Factors Predicting Difficult Endotracheal Intubation', *Academic Emergency Medicine*. Edited by S. Zahtabchi, p. acem.13824-acem.13824. doi: [10.1111/acem.13824](https://doi.org/10.1111/acem.13824).

Martín-Rodríguez, F. *et al.* (2019) 'A Multicenter Observational Prospective Cohort Study of Association of the Prehospital National Early Warning Score 2 and Hospital Triage with Early Mortality', *Emergency Medicine International*, 2019, pp. 1–8. doi: [10.1155/2019/5147808](https://doi.org/10.1155/2019/5147808). **Open Access**

Nehme, A. *et al.* (2019) 'Cincinnati Prehospital Stroke Scale for EMS Redirection of Large Vessel Occlusion Stroke', *Canadian Journal of Neurological Sciences / Journal Canadien des Sciences Neurologiques*, pp. 1–19. doi: [10.1017/cjn.2019.242](https://doi.org/10.1017/cjn.2019.242).

Ng, C.-J. *et al.* (2019) 'Validation of the five-tier Taiwan Triage and Acuity Scale for prehospital use by Emergency Medical Technicians.', *Emergency medicine journal : EMJ*, 36(8), pp. 472–478. doi: [10.1136/emered-2018-207509](https://doi.org/10.1136/emered-2018-207509). **NHS Open Athens**

Seki, T. *et al.* (2019) 'Outcome prediction of out-of-hospital cardiac arrest with presumed cardiac aetiology using an advanced machine learning technique.', *Resuscitation*, 141, pp. 128–135. doi: [10.1016/j.resuscitation.2019.06.006](https://doi.org/10.1016/j.resuscitation.2019.06.006).

Venema, E. *et al.* (2019) 'Prehospital triage of patients with suspected stroke symptoms (PRESTO): protocol of a prospective observational study', *BMJ Open*, 9(7), pp. e028810–e028810. doi: [10.1136/bmjopen-2018-028810](https://doi.org/10.1136/bmjopen-2018-028810) **Open Access**

Walsh, K. B. (2019) 'Non-invasive sensor technology for prehospital stroke diagnosis: Current status and future directions', *International Journal of Stroke*, pp. 174749301986662–174749301986662. doi: [10.1177/1747493019866621](https://doi.org/10.1177/1747493019866621). **Open Access**

Weatherall, A. *et al.* (2019) 'Near-infrared spectroscopy monitoring in a pre-hospital trauma patient cohort: An analysis of successful signal collection', *Acta Anaesthesiologica Scandinavica*, p. aas.13444-aas.13444. doi: [10.1111/aas.13444](https://doi.org/10.1111/aas.13444).

Weiss, S. J. *et al.* (2019) 'Sepsis alerts in EMS and the results of pre-hospital ETCO₂.', *The American journal of emergency medicine*, 37(8), pp. 1505–1509. doi: [10.1016/j.ajem.2018.11.009](https://doi.org/10.1016/j.ajem.2018.11.009).

Witting, M. D. *et al.* (2019) 'Predicting Failure of Intravenous Access in Adults: The Value of Prior Difficulty.', *The Journal of emergency medicine*, 57(1), pp. 1–5. doi: [10.1016/j.jemermed.2019.02.011](https://doi.org/10.1016/j.jemermed.2019.02.011).

Yan, B. W. and Hsia, R. Y. (2019) 'Unexpected deaths among patients with normal initial vital signs', *Academic Emergency Medicine*, p. acem.13833-acem.13833. doi: [10.1111/acem.13833](https://doi.org/10.1111/acem.13833).

Patient Profile

Request
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

Bigdon, S. F. *et al.* (2019) 'Spinal injury in alpine winter sports: a review', *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), pp. 69–69. doi: [10.1186/s13049-019-0645-z](https://doi.org/10.1186/s13049-019-0645-z). **Open Access**

Byerly, S. *et al.* (2019) 'Hit by a Train: Injury Burden and Clinical Outcomes.', *The Journal of emergency medicine*, 57(1), pp. 6–12. doi: [10.1016/j.jemermed.2019.03.053](https://doi.org/10.1016/j.jemermed.2019.03.053).

Burroughs, Z. T. *et al.* (2019) 'Prehospital Care of Pediatric Hypoglycemic Seizure Patients in the State of North Carolina: A Retrospective Cohort Study', *Academic Emergency Medicine*, p. acem.13834-acem.13834. doi: [10.1111/acem.13834](https://doi.org/10.1111/acem.13834).

Castillo, E. M. *et al.* (2019) 'Factors Associated With Geriatric Frequent Users of Emergency Departments.', *Annals of emergency medicine*, 74(2), pp. 270–275. doi: [10.1016/j.annemergmed.2018.12.013](https://doi.org/10.1016/j.annemergmed.2018.12.013).

Crilly, J., Johnston, A. N., *et al.* (2019) 'Review article: Clinical characteristics and outcomes of patient presentations to the emergency department via police: A scoping review', *Emergency Medicine Australasia*, 31(4), pp. 506–515. doi: [10.1111/1742-6723.13300](https://doi.org/10.1111/1742-6723.13300).

Dalton, T. R. *et al.* (2019) 'Prevalence and correlates of domestic violence among people seeking treatment for self-harm: data from a regional self-harm register.', *Emergency medicine journal : EMJ*, 36(7), pp. 407–409. doi: [10.1136/emmermed-2018-207561](https://doi.org/10.1136/emmermed-2018-207561). **NHS OpenAthens**

Farley, K. X. *et al.* (2019) 'Avocado-related knife injuries: Describing an epidemic of hand injury.', *The American journal of emergency medicine*, 0(0). doi: [10.1016/j.ajem.2019.06.051](https://doi.org/10.1016/j.ajem.2019.06.051).

Hanning, J. *et al.* (2019) 'Review article: Goals-of-care discussions for adult patients nearing end of life in emergency departments: A systematic review', *Emergency Medicine Australasia*, 31(4), pp. 525–532. doi: [10.1111/1742-6723.13303](https://doi.org/10.1111/1742-6723.13303).

La Count, S. *et al.* (2019) 'Factors Associated With Poor Outcome in Pediatric Near-Hanging Injuries.', *Journal of emergency medicine*, 57(1), pp. 21–28. doi: [10.1016/j.jemermed.2019.03.013](https://doi.org/10.1016/j.jemermed.2019.03.013).

Métraiiller-Mermoud, J. *et al.* (2019) 'Avalanche victims in cardiac arrest are unlikely to survive despite adherence to medical guidelines.', *Resuscitation*, 141, pp. 35–43. doi: [10.1016/j.resuscitation.2019.05.037](https://doi.org/10.1016/j.resuscitation.2019.05.037).

Nesje, E. *et al.* (2019) 'Epidemiology of paediatric trauma in Norway: a single-trauma centre observational study', *International Journal of Emergency Medicine*, 12(1), pp. 18–18. doi: [10.1186/s12245-019-0236-9](https://doi.org/10.1186/s12245-019-0236-9).

Ottosen, C. I. *et al.* (2019) 'Patient experience of spinal immobilisation after trauma', *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), pp. 70–70. doi: [10.1186/s13049-019-0647-x](https://doi.org/10.1186/s13049-019-0647-x).

Poku, B. A. and Hemingway, P. (2019) 'Reducing repeat paediatric emergency department attendance for non-urgent care: a systematic review of the effectiveness of interventions.', *Emergency medicine journal : EMJ*, 36(7), pp. 435–442. doi: [10.1136/emmermed-2018-207536](https://doi.org/10.1136/emmermed-2018-207536).

Tibullo, L. and Esquinas, A. (2019) 'Outcomes difference in non-invasive ventilation in “very old” patients with acute respiratory failure: occult gender effect?', *Emergency medicine journal : EMJ*, 36(8), pp. 514–514. doi: [10.1136/emmermed-2019-208692](https://doi.org/10.1136/emmermed-2019-208692). **NHS OpenAthens**

'Emergency admissions to hospital from care homes: how often and what for? | The Health Foundation' (2019). Available at: <https://www.health.org.uk/publications/reports/emergency-admissions-to-hospital-from-care-homes>. **Open Athens**

Ueki, S. *et al.* (2019) 'Parental factors predicting unnecessary ambulance use for their child with acute illness: A cross-sectional study', *Journal of Advanced Nursing*, p. jan.14161–jan.14161. doi: [10.1111/jan.14161](https://doi.org/10.1111/jan.14161).

On-Scene Interventions

Request
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

- Andolfatto, G. *et al.* (2019) 'Prehospital Analgesia With Intranasal Ketamine (PAIN-K): A Randomized Double-Blind Trial in Adults.', *Annals of emergency medicine*, 74(2), pp. 241–250. doi: [10.1016/j.annemergmed.2019.01.048](https://doi.org/10.1016/j.annemergmed.2019.01.048). **Open Access**
- Aoki, M., Abe, T. and Oshima, K. (2019) 'Association of Prehospital Epinephrine Administration With Survival Among Patients With Traumatic Cardiac Arrest Caused By Traffic Collisions', *Scientific Reports*, 9(1), pp. 9922–9922. doi: [10.1038/s41598-019-46460-w](https://doi.org/10.1038/s41598-019-46460-w). **Open Access**
- Armstrong, D. P. *et al.* (2019) 'Evaluating the effect of a strength and conditioning program to improve paramedic candidates' physical readiness for duty', *Work*, pp. 1–11. doi: [10.3233/WOR-192953](https://doi.org/10.3233/WOR-192953).
- Balamuth, F. *et al.* (2019) 'Pragmatic Pediatric Trial of Balanced Versus Normal Saline Fluid in Sepsis: The PR o MPT BOLUS Randomized Controlled Trial Pilot Feasibility Study', *Academic Emergency Medicine*. Edited by M. L. Macy, p. acem.13815-acem.13815. doi: [10.1111/acem.13815](https://doi.org/10.1111/acem.13815).
- Beyda, R. and Johari, D. (2019) 'Tranexamic acid for upper gastrointestinal bleeding', *Academic Emergency Medicine*, p. acem.13835-acem.13835. doi: [10.1111/acem.13835](https://doi.org/10.1111/acem.13835).
- Bohm, K. *et al.* (2019) 'Ambulance nurse's experience to relieve pain in patients with addiction problems in Sweden', *International Emergency Nursing*, pp. 100779–100779. doi: [10.1016/j.ienj.2019.06.002](https://doi.org/10.1016/j.ienj.2019.06.002).
- Bregstein, J. S., Wagh, A. M. and Tsze, D. S. (2019) 'Intranasal Lorazepam for Treatment of Severe Agitation in a Pediatric Behavioral Health Patient in the Emergency Department.', *Annals of emergency medicine*, 0(0). doi: [10.1016/j.annemergmed.2019.05.020](https://doi.org/10.1016/j.annemergmed.2019.05.020).
- Cudini, D. *et al.* (2019) 'Can pre-hospital administration reduce time to initial antibiotic therapy in septic patients?', *Emergency Medicine Australasia*, 31(4), pp. 669–672. doi: [10.1111/1742-6723.13282](https://doi.org/10.1111/1742-6723.13282).
- Ezeibe, C. *et al.* (2019) 'Haemorrhage control in the prehospital setting: a scoping review protocol', *BMJ Open*, 9(7), pp. e029051–e029051. doi: [10.1136/bmjopen-2019-029051](https://doi.org/10.1136/bmjopen-2019-029051). **Open Access**
- Fouche, Pieter F *et al.* (2019) 'Review article: Emergency endotracheal intubation in non-traumatic brain pathologies: A systematic review and meta-analysis', *Emergency Medicine Australasia*, 31(4), pp. 533–541. doi: [10.1111/1742-6723.13304](https://doi.org/10.1111/1742-6723.13304).
- Fouche, Pieter Francois *et al.* (2019) 'The association of paramedic rapid sequence intubation and survival in out-of-hospital stroke', *Emergency Medicine Journal*, 36(7), pp. 416–422. doi: [10.1136/EMERMED-2019-208613](https://doi.org/10.1136/EMERMED-2019-208613). **NHS OpenAthens**
- Gerson, R. *et al.* (2019) 'This Article Corrects: "Best Practices for Evaluation and Treatment of Agitated Children and Adolescents (BETA) in the Emergency Department: Consensus Statement of the American Association for Emergency Psychiatry"', *Western Journal of Emergency Medicine*, 20(4), pp. 688–689. doi: [10.5811/westjem.2019.4.44160](https://doi.org/10.5811/westjem.2019.4.44160). **Open Athens**
- Harris, K. *et al.* (2019) 'One single large intramuscular dose of naloxone is effective and safe in suspected heroin poisoning', *Emergency Medicine Australasia*, pp. 1742-6723.13344. doi: [10.1111/1742-6723.13344](https://doi.org/10.1111/1742-6723.13344).
- Haukoos, J. and Sasson, C. (2019) 'Prehospital Hemorrhage Control—Leveraging Successes From Cardiac Arrest to Optimize Population-Level Effectiveness', *JAMA Surgery*. doi: [10.1001/jamasurg.2019.2276](https://doi.org/10.1001/jamasurg.2019.2276).
- Hill, G. J. *et al.* (2019) 'Prehospital ketamine administration to pediatric trauma patients with head injuries in combat theaters.', *The American journal of emergency medicine*, 37(8), pp. 1455–1459. doi: [10.1016/j.ajem.2018.10.046](https://doi.org/10.1016/j.ajem.2018.10.046).
Prehospital Emergency Services Current Awareness Update – Issue 73, July 2019

Kaniecki, D. M. (2019) 'Pericardiocentesis in an Ambulance: A Case Report and Lessons Learned', *Air Medical Journal*, 0(0). doi: [10.1016/j.amj.2019.07.008](https://doi.org/10.1016/j.amj.2019.07.008).

Kondo, Y. *et al.* (2019) 'Association of prehospital oxygen administration and mortality in severe trauma patients (PROMIS)', *Medicine*, 98(27), pp. e16307–e16307. doi: [10.1097/MD.00000000000016307](https://doi.org/10.1097/MD.00000000000016307). **Open Access**

Marsden, M. E. R. *et al.* (2019b) 'Prehospital tranexamic acid shortens the interval to administration by half in Major Trauma Networks: a service evaluation.', *Emergency medicine journal : EMJ*, 36(7), pp. 395–400. doi: [10.1136/emered-2018-208118](https://doi.org/10.1136/emered-2018-208118).

Miller, J. B. *et al.* (2019) 'The Extended Treatment Window's Impact on Emergency Systems of Care for Acute Stroke', *Academic Emergency Medicine*. Edited by P. Panagos, 26(7), pp. 744–751. doi: [10.1111/acem.13698](https://doi.org/10.1111/acem.13698).

Ridderikhof, M. L. *et al.* (2019a) 'Paracetamol versus other analgesia in adult patients with minor musculoskeletal injuries: a systematic review.', *Emergency medicine journal : EMJ*, 36(8), pp. 493–500. doi: [10.1136/emered-2019-208439](https://doi.org/10.1136/emered-2019-208439). **NHS OpenAthens**

Shahtahmasebi, R., Johnson, R. and Shahtahmasebi, S. (2019) 'Impact of a ketamine sedation protocol on intubation rates and undesirable outcomes in the transport of patients with acute behavioural disturbance', *Emergency Medicine Australasia*, pp. 1742-6723.13368. doi: [10.1111/1742-6723.13368](https://doi.org/10.1111/1742-6723.13368).

Teague, W. J., Amarakone, K. V. and Quinn, N. (2019) 'Rule of 4's: Safe and effective pleural decompression and chest drain insertion in severely injured children', *Emergency Medicine Australasia*, 31(4), pp. 683–687. doi: [10.1111/1742-6723.13299](https://doi.org/10.1111/1742-6723.13299).

Yap, C. Y. L. *et al.* (2019) 'Risk Factors for Sedation-related Events During Acute Agitation Management in the Emergency Department', *Academic Emergency Medicine*. Edited by S. B. Bird, p. acem.13826-acem.13826. doi: [10.1111/acem.13826](https://doi.org/10.1111/acem.13826).

Airway Management, Resuscitation & CPR

Request
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

Abdulhay, N. M. *et al.* (2019) 'Socioeconomic disparities in layperson CPR training within a large U.S. city.', *Resuscitation*, 141, pp. 13–18. doi: [10.1016/j.resuscitation.2019.05.038](https://doi.org/10.1016/j.resuscitation.2019.05.038).

An, M., Kim, Y. and Cho, W.-K. (2019) 'Effect of smart devices on the quality of CPR training: A systematic review.', *Resuscitation*, 0(0). doi: [10.1016/j.resuscitation.2019.07.011](https://doi.org/10.1016/j.resuscitation.2019.07.011).

Auricchio, A. *et al.* (2019) 'Real-life time and distance covered by lay first responders alerted by means of smartphone-application: Implications for early initiation of cardiopulmonary resuscitation and access to automatic external defibrillators.', *Resuscitation*, 141, pp. 182–187. doi: [10.1016/j.resuscitation.2019.05.023](https://doi.org/10.1016/j.resuscitation.2019.05.023).

Barcella, C. A. *et al.* (2019) 'Out-of-hospital cardiac arrest in patients with psychiatric disorders - Characteristics and outcomes.', *Resuscitation*, 0(0). doi: [10.1016/j.resuscitation.2019.07.008](https://doi.org/10.1016/j.resuscitation.2019.07.008).

- Barnard, E. B. G. *et al.* (2019) 'Resuscitation of patients with active Do Not Attempt Cardiopulmonary Resuscitation (DNACPR) status after out-of-hospital cardiac arrest.', *Resuscitation*, 142, pp. 23–24. doi: [10.1016/j.resuscitation.2019.06.289](https://doi.org/10.1016/j.resuscitation.2019.06.289).
- Beed, M. and Penn, M. (2019) 'Does psychological trauma affect resuscitation providers?', *Resuscitation*, 0(0). doi: [10.1016/j.resuscitation.2019.07.022](https://doi.org/10.1016/j.resuscitation.2019.07.022).
- Bellut, H. *et al.* (2019) 'Early recurrent arrhythmias after out-of-hospital cardiac arrest associated with obstructive coronary artery disease: Analysis of the PROCAT registry.', *Resuscitation*, 141, pp. 81–87. doi: [10.1016/j.resuscitation.2019.05.034](https://doi.org/10.1016/j.resuscitation.2019.05.034).
- Borowicz, A. *et al.* (2013) 'Paramedic versus physician-staffed ambulances and prehospital delays in the management of patients with ST-segment elevation myocardial infarction', *Cardiology Journal*. doi: [10.5603/CJ.a2019.0072](https://doi.org/10.5603/CJ.a2019.0072).
- Chang, M. P. *et al.* (2019) 'Association of ventilation with outcomes from out-of-hospital cardiac arrest.', *Resuscitation*, 141, pp. 174–181. doi: [10.1016/j.resuscitation.2019.05.006](https://doi.org/10.1016/j.resuscitation.2019.05.006).
- Couper, K. *et al.* (2019) 'Prophylactic antibiotic use following cardiac arrest: A systematic review and meta-analysis.', *Resuscitation*, 141, pp. 166–173. doi: [10.1016/j.resuscitation.2019.04.047](https://doi.org/10.1016/j.resuscitation.2019.04.047).
- Cross, J. *et al.* (2019) 'Impact of hand dominance on effectiveness of chest compressions in a simulated setting: a randomised, crossover trial', *Australasian Journal of Paramedicine*, 16(0). doi: [10.33151/ajp.16.672](https://doi.org/10.33151/ajp.16.672). **Open Access**
- Cunningham, C. *et al.* (2019) 'Public access defibrillation: utilisation and missed opportunities', *Australasian Journal of Paramedicine*, 16(0). doi: [10.33151/ajp.16.669](https://doi.org/10.33151/ajp.16.669). **Open Access**
- Doan, T. N. *et al.* (2019) 'Prehospital ST-segment elevation myocardial infarction (STEMI) in Queensland, Australia: findings from 11 years of the statewide prehospital reperfusion strategy', *Prehospital Emergency Care*, pp. 1–10. doi: [10.1080/10903127.2019.1651433](https://doi.org/10.1080/10903127.2019.1651433).
- Ebell, M. H. *et al.* (2019) 'Meta-analysis of the accuracy of termination of resuscitation rules for out-of-hospital cardiac arrest', *Emergency Medicine Journal*, 36(8), pp. 479–484. doi: [10.1136/EMERMED-2018-207833](https://doi.org/10.1136/EMERMED-2018-207833). **NHS OpenAthens**
- Fukuda, T. *et al.* (2019) 'Association of bystander cardiopulmonary resuscitation and neurological outcome after out-of-hospital cardiac arrest due to drowning in Japan, 2013-2016.', *Resuscitation*, 141, pp. 111–120. doi: [10.1016/j.resuscitation.2019.06.005](https://doi.org/10.1016/j.resuscitation.2019.06.005).
- Gagnon, D. J. and Seder, D. B. (2019) 'Support for antibiotic prophylaxis during targeted temperature management after cardiac arrest: Heating up or cooling down?', *Resuscitation*, 141, pp. 197–199. doi: [10.1016/j.resuscitation.2019.06.001](https://doi.org/10.1016/j.resuscitation.2019.06.001).
- Grand, J. *et al.* (2019) 'Cardiac output, heart rate and stroke volume during targeted temperature management after out-of-hospital cardiac arrest: Association with mortality and cause of death.', *Resuscitation*, 0(0). doi: [10.1016/j.resuscitation.2019.07.024](https://doi.org/10.1016/j.resuscitation.2019.07.024).
- Gul, S. S. *et al.* (2019) 'Patient, Neighborhood, and Spatial Determinants of Out-of-Hospital Cardiac Arrest Outcomes Throughout the Chain of Survival: A Community-Oriented Multilevel Analysis', *Prehospital Emergency Care*, pp. 1–12. doi: [10.1080/10903127.2019.1640324](https://doi.org/10.1080/10903127.2019.1640324).

- Jarvis, J. L., Wampler, D. and Wang, H. E. (2019) 'Association of patient age with first pass success in out-of-hospital advanced airway management.', *Resuscitation*, 141, pp. 136–143. doi: [10.1016/j.resuscitation.2019.06.002](https://doi.org/10.1016/j.resuscitation.2019.06.002).
- Klingkowski, U. *et al.* (2019) 'Refractory hyperkalaemic cardiac arrest - What to do first: Treat the reversible cause or initiate E-CPR?', *Resuscitation*, 142, pp. 81–81. doi: [10.1016/j.resuscitation.2019.07.014](https://doi.org/10.1016/j.resuscitation.2019.07.014).
- Lee, S. Y., Song, K. J. and Shin, S. D. (2019) 'Effect of Implementation of Cardiopulmonary Resuscitation-Targeted Multi-Tier Response System on Outcomes After Out-of-Hospital Cardiac Arrest: A Before-and-After Population-Based Study', *Prehospital Emergency Care*, pp. 1–1. doi: [10.1080/10903127.2019.1624900](https://doi.org/10.1080/10903127.2019.1624900).
- Lemke, D. S. *et al.* (2019) 'Improved Team Performance During Pediatric Resuscitations After Rapid Cycle Deliberate Practice Compared With Traditional Debriefing', *Pediatric Emergency Care*, 35(7), pp. 480–486. doi: [10.1097/PEC.0000000000000940](https://doi.org/10.1097/PEC.0000000000000940).
- Lim, H. J. *et al.* (2019) 'Effect of estimated glomerular filtration rate (eGFR) on incidence of out-of-hospital cardiac arrests: A case-control study.', *Resuscitation*, 142, pp. 38–45. doi: [10.1016/j.resuscitation.2019.06.291](https://doi.org/10.1016/j.resuscitation.2019.06.291).
- Morgan, D. P. *et al.* (2019) 'Human factors influencing out-of-hospital cardiac arrest survival', *Emergency Medicine Australasia*, 31(4), pp. 600–604. doi: [10.1111/1742-6723.13222](https://doi.org/10.1111/1742-6723.13222).
- Mosesso, V. N. (2019) 'Ventilation during cardiopulmonary resuscitation-Only mostly dead!', *Resuscitation*, 141, pp. 200–201. doi: [10.1016/j.resuscitation.2019.06.274](https://doi.org/10.1016/j.resuscitation.2019.06.274).
- Nishiyama, C. *et al.* (2019) 'Actual resuscitation actions after the training of chest compression-only CPR and AED use among new university students.', *Resuscitation*, 141, pp. 63–68. doi: [10.1016/j.resuscitation.2019.05.040](https://doi.org/10.1016/j.resuscitation.2019.05.040).
- Pap, R. and van Loggerenberg, C. (2019) 'A comparison of airway management devices in simulated entrapment-trauma: a prospective manikin study', *International Journal of Emergency Medicine*, 12(1), pp. 15–15. doi: [10.1186/s12245-019-0233-z](https://doi.org/10.1186/s12245-019-0233-z). **Open Access**
- Park, J. H. *et al.* (2019) 'Location of arrest and effect of prehospital advanced airway management after emergency medical service-witnessed out-of-hospital cardiac arrest: nationwide observational study', *Emergency Medicine Journal*, p. emermed-2018-207871. doi: [10.1136/emered-2018-207871](https://doi.org/10.1136/emered-2018-207871).
- Patocka, C. *et al.* (2019) 'A randomized education trial of spaced versus massed instruction to improve acquisition and retention of paediatric resuscitation skills in emergency medical service (EMS) providers.', *Resuscitation*, 141, pp. 73–80. doi: [10.1016/j.resuscitation.2019.06.010](https://doi.org/10.1016/j.resuscitation.2019.06.010).
- Pemberton, K., Bosley, E., Franklin, R. C., *et al.* (2019) 'Epidemiology of pre-hospital outcomes of out-of-hospital cardiac arrest in Queensland, Australia', *Emergency Medicine Australasia*, pp. 1742-6723.13354. doi: [10.1111/1742-6723.13354](https://doi.org/10.1111/1742-6723.13354). **NHS OpenAthens**
- Pemberton, K., Bosley, E., C Franklin, R., *et al.* (2019a) 'Pre-hospital outcomes of adult out-of-hospital cardiac arrest of presumed cardiac aetiology in Queensland, Australia (2002–2014): Trends over time', *Emergency Medicine Australasia*, pp. 1742-6723.13353. doi: [10.1111/1742-6723.13353](https://doi.org/10.1111/1742-6723.13353).
- Root, C. W. *et al.* (2019) 'Feasibility of a Modified Strategy for 2-Rescuer Cardiopulmonary Resuscitation.', *The Journal of emergency medicine*, 57(1), pp. 51–58. doi: [10.1016/j.jemermed.2019.03.009](https://doi.org/10.1016/j.jemermed.2019.03.009).

Sakurai, A. *et al.* (2019) ‘Confirmed cardiac output on emergency medical services arrival as confounding by indication: an observational study of prehospital airway management in patients with out-of-hospital cardiac arrest.’, *Emergency medicine journal : EMJ*, 36(7), pp. 410–415. doi: [10.1136/emered-2018-208107](https://doi.org/10.1136/emered-2018-208107). **NHS OpenAthens**

Schrieffl, C. *et al.* (2019) ‘Time of out-of-hospital cardiac arrest is not associated with outcome in a metropolitan area: A multicenter cohort study.’, *Resuscitation*, 142, pp. 61–68. doi: [10.1016/j.resuscitation.2019.07.009](https://doi.org/10.1016/j.resuscitation.2019.07.009).

Seesink, J. *et al.* (2019) ‘Circumstances, outcome and quality of cardiopulmonary resuscitation by lifeboat crews.’, *Resuscitation*, 142, pp. 104–110. doi: [10.1016/j.resuscitation.2019.07.012](https://doi.org/10.1016/j.resuscitation.2019.07.012).

Smith, C. M. (2019) ‘Lay first-responders alerted to out-of-hospital cardiac arrest by smartphone app - Not so novel any longer, and it’s time to do more.’, *Resuscitation*, 141, pp. 202–203. doi: [10.1016/j.resuscitation.2019.06.007](https://doi.org/10.1016/j.resuscitation.2019.06.007).

van Nieuwenhuizen, B. P. *et al.* (2019) ‘Socio-economic differences in incidence, bystander cardiopulmonary resuscitation and survival from out-of-hospital cardiac arrest: A systematic review.’, *Resuscitation*, 141, pp. 44–62. doi: [10.1016/j.resuscitation.2019.05.018](https://doi.org/10.1016/j.resuscitation.2019.05.018).

Topjian, A. A. *et al.* (2019) ‘The association of immediate post cardiac arrest diastolic hypertension and survival following pediatric cardiac arrest.’, *Resuscitation*, 141, pp. 88–95. doi: [10.1016/j.resuscitation.2019.05.033](https://doi.org/10.1016/j.resuscitation.2019.05.033).

von Vopelius-Feldt, J., Powell, J. and Bengler, J. R. (2019) ‘Cost-effectiveness of advanced life support and prehospital critical care for out-of-hospital cardiac arrest in England: a decision analysis model’, *BMJ Open*, 9(7), pp. e028574–e028574. doi: [10.1136/bmjopen-2018-028574](https://doi.org/10.1136/bmjopen-2018-028574). **Open Access**

How to contact your Library Service

Service	Contact	Services Offered
North East Ambulance Service	eMail: Matt.Holland@nwas.nhs.uk Link to: Library Website	Document Supply; Searches; Current Awareness; Guides & Help;
North West Ambulance Service	eMail: Matt.Holland@nwas.nhs.uk Link to: Library Website	Document Supply; Searches; Current Awareness; Guides & Help;
East Midland Ambulance Service	eMail: Matt.Holland@nwas.nhs.uk Link to: Library Website	Document Supply; Searches; Current Awareness; Guides & Help;
Yorkshire Ambulance Service	eMail: Matt.Holland@nwas.nhs.uk Link to: Library Website	Document Supply; Searches; Current Awareness; Guides & Help;
South Central Ambulance Service	eMail: Matt.Holland@nwas.nhs.uk Link to: Library Website	Document Supply; Searches; Current Awareness; Guides & Help;
South Western Ambulance Service	eMail: library.mailbox@nhs.net Link to: http://discoverylibrary.org/SWASFT	Document Supply; Searches; Current Awareness; Guides & Help;
East of England Ambulance Service	eMail: Matt.Holland@nwas.nhs.uk Link to: Library Website	Document Supply; Searches; Current Awareness; Guides &

		Help;
West Midlands Ambulance Service	eMail: Matt.Holland@nwas.nhs.uk Link to: Library Website	Document Supply; Searches; Current Awareness; Guides & Help;
South East Coast Ambulance Service	eMail: Matt.Holland@nwas.nhs.uk Link to: Library Website	Document Supply; Searches; Current Awareness; Guides & Help;
Isle of Wight	eMail: library@iow.nhs.uk Link to: Library Website	Full library membership of the Oliveira Library.
London Ambulance Service	eMail: CARU.Administrator@lond-amb.nhs.uk	Document Supply, Research

Feedback to

Matt Holland, LKS ASE Librarian

(on behalf of the National Ambulance Research Steering Group)

Email: Matt.Holland@nwas.nhs.uk

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.