



Welcome to **June 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 June Issue

### New Guide to Information Resources for Emergency Preparedness Resilience and Response

See the guide here [ <https://www.networks.nhs.uk/nhs-networks/nwas-library-and-information-service/emergency-preparedness-resilience-and-response-a-guide-to-information-resources/view> ]

The guide brings together a number of resources to give a picture of the literature that might comprise the literature of EPRR as a subject of study / research. The guide refers to resources provided by Nwas LKS but should be useful for all researchers. If you see any omissions or want to recommend additions, please contact [Matt.Holland@nwas.nhs.uk](mailto:Matt.Holland@nwas.nhs.uk).

Matt Holland  
June 2017

## 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 @NWASLibrary or go to <https://twitter.com/NWASLibrary>. The NWAS LKS Twitter account Tweets the latest relevant research for Paramedic Practice as it's published from scholarly/academic journals. If you don't want to subscribe just search for [#NWASLKSParamedic](#)

## Online Bibliography

All this month's articles included here are available through the Mendeley Group [Prehospital Emergency Care Current Awareness Current](#). 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.

## Pinboards and RSS

Articles are posted daily to a web based *pinboard* created using [Sparrho](#). The [Paramedic Practice](#) pinboard is updated daily.

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

## Feedback to

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*(on behalf of the National Ambulance Research Steering Group)*

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*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.
- Ⓢ All other papers will require you to log in with an **NHS Open Athens 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;

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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 Open Athens** you may be able to get access through your own Library Service if you have one, or University, 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.

[www.networks.nhs.uk/nhs-networks/nwas-library-and-information-service/esca](http://www.networks.nhs.uk/nhs-networks/nwas-library-and-information-service/esca)

## Prehospital Practitioners – Roles, Professional Practice and Development

Becker, T.K. et al., 2016. Global Emergency Medicine: A Review of the Literature From 2015 M. Hauswald, ed. Academic Emergency Medicine, 23(10), pp.1183–1191. Available at: <http://doi.wiley.com/10.1111/acem.13216> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Bellew, S. et al., 2017. “What’s the next step?” Improving interfacility emergency department transfer handoff communication. The American Journal of Emergency Medicine. Available at: <http://www.sciencedirect.com/science/article/pii/S0735675717303716> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Bitan, Y. & Jaffe, E., 2017. Studying Paramedics Working Environment in a Trauma Scene. Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care, 6(1), pp.109–110. Available at: <http://journals.sagepub.com/doi/10.1177/2327857917061024> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Brown, C.W. & Macleod, M.J., 2017. The positive predictive value of an ambulance prealert for stroke and transient ischaemic attack. European Journal of Emergency Medicine, p.1. Available at: <http://insights.ovid.com/crossref?an=00063110-900000000-99261> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Campbell, B., Stirling, C. & Cummings, E., 2017. Continuity matters: Examining the “information gap” in transfer from Residential Aged Care, ambulance to emergency triage in southern Tasmania. International Emergency Nursing, 32, pp.9–14. Available at: <http://www.sciencedirect.com/science/article/pii/S1755599X16300313> [Accessed June 1, 2017]. **Open Access@**

Chamberlain, D., 2017. The Ambulance Service: what it ought to be. Journal of Paramedic Practice, 9(5), pp.192–193. Available at: <http://www.magonlinelibrary.com/doi/10.12968/jpar.2017.9.5.192> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Coster, J.E. et al., 2017. Why do people choose Emergency and Urgent care services? A rapid review utilizing a systematic literature search and narrative synthesis. Academic Emergency Medicine. Available at: <http://doi.wiley.com/10.1111/acem.13220> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Eaton, G., 2017. Taking healthcare to the community: the evolving role of paramedics. Journal of Paramedic Practice, 9(5), pp.190–191. Available at: <http://www.magonlinelibrary.com/doi/10.12968/jpar.2017.9.5.190> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Gresens, A., 2017. Community paramedics: need of legal education specific to the pre-hospital non-emergency environment (discussion based on Texas). Journal of Paramedic Practice, 9(5), pp.208–212. Available at: <http://www.magonlinelibrary.com/doi/10.12968/jpar.2017.9.5.208> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Hanchate, A.D. et al., 2017. Geographic Variation in Use of Ambulance Transport to the Emergency Department. Annals of Emergency Medicine. Available at: <http://www.sciencedirect.com/science/article/pii/S0196064417303256> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Henry-Morrow, T.K. et al., 2017. An educational intervention allows for greater prehospital recognition of acute stroke. The American Journal of Emergency Medicine. Available at: <http://www.sciencedirect.com/science/article/pii/S0735675717304175> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Holmberg, M., Fagerberg, I. & Wahlberg, A.C., 2017. The knowledge desired by emergency medical service managers of their ambulance clinicians – A modified Delphi study. *International Emergency Nursing*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1755599X16301513> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Kashima, S. et al., 2015. Association Between Remoteness to a Health Care Facility and Incidence of Ambulance Calls in Rural Areas of Japan. *Health Services Research and Managerial Epidemiology*, 2, pp.1–2. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28462260> [Accessed June 1, 2017]. **Open Access@**

Lavender, R.J., 2017. What can dyslexic paramedic students teach us about mentoring? A case study. *Journal of Paramedic Practice*, 9(5), pp.202–206. Available at: <http://www.magonlinelibrary.com/doi/10.12968/jpar.2017.9.5.202> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Lega, F., Prenestini, A. & Rosso, M., 2017. Leadership research in healthcare: A realist review. *Health Services Management Research*, 30(2), pp.94–104. Available at: <http://journals.sagepub.com/doi/10.1177/0951484817708915> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

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Vencloviene, J. et al., 2017. The short-term associations of weather and air pollution with emergency ambulance calls for paroxysmal atrial fibrillation. *Environmental Science and Pollution Research*. Available at: <http://link.springer.com/10.1007/s11356-017-9138-7> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

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Villani, M. et al., 2017. Time series modelling to forecast prehospital EMS demand for diabetic emergencies. BMC Health Services Research, 17(1), p.332. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28476117> [Accessed June 1, 2017]. **Open Access@**

### **Prehospital Research – Methods and Discussion**

Backe, S.N. & Andersson, R., 2008. Monitoring the "tip of the iceberg": Ambulance records as a source of injury surveillance. Scandinavian Journal of Public Health, 36(3), pp.250–257. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/18519293> [Accessed June 1, 2017]. **Open Access@**

Bölenius, K. et al., 2017. Validating a questionnaire- prehospital preparedness for pediatric trauma patients. International Emergency Nursing. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1755599X16302026> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Carpenter, C.R. & Meisel, Z.F., 2017. Overcoming the Tower of Babel in Medical Science by Finding the "EQUATOR": Research Reporting Guidelines. Academic Emergency Medicine. Available at: <http://doi.wiley.com/10.1111/acem.13225> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

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### **Helicopter Emergency Medical Services (HEMS)**

Brändström, H. et al., 2017. Risk for intracranial pressure increase related to enclosed air in post-craniotomy patients during air ambulance transport: a retrospective cohort study with simulation. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 25(1), p.50. Available at: <http://sjtrem.biomedcentral.com/articles/10.1186/s13049-017-0394-9> [Accessed June 1, 2017]. **Open Access@**

Gerard, D., Raffin, H. & Lebreton, G., 2017. Aeromedical Evacuation Using Extra Corporeal Life Support After Resuscitated Cardiac Arrest. Aerospace Medicine and Human Performance, 88(4), pp.431–433. Available at: <http://www.ingentaconnect.com/content/10.3357/AMHP.4470.2017> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

Sollid, S.J.M. & Rehn, M., 2017. The role of the anaesthesiologist in air ambulance medicine. Current Opinion in Anaesthesiology, p.1. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28509774> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

### **Diagnosis and Triage**

Bøtker, M.T. et al., 2017. Prehospital triage of patients suffering severe dyspnoea using N-terminal pro-brain natriuretic peptide, the PreBNP trial: a randomised controlled clinical trial. European Heart Journal: Acute Cardiovascular Care, p.204887261770998. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28492084> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

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Lampi, M. et al., 2017. Pre-hospital triage performance after standardized trauma courses. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 25(1), p.53. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28526053> [Accessed June 1, 2017]. **Open Access@**

Lerner, E.B. et al., 2017. Effect of the 2011 Revisions to the Field Triage Guidelines on Under- and Over-Triage Rates for Pediatric Trauma Patients. *Prehospital Emergency Care*, pp.1–5. Available at: <https://www.tandfonline.com/doi/full/10.1080/10903127.2017.1300717> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

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## **Patient Profile**

### **Children**

Bailey, B. et al., 2007. Comparison of Four Pain Scales in Children With Acute Abdominal Pain in a Pediatric Emergency Department. *Annals of Emergency Medicine*, 50(4), p.379–383.e2. Available

at: <http://www.ncbi.nlm.nih.gov/pubmed/17588706> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

### Older People

Cantwell, K. et al., 2017. Differences in emergency ambulance demand between older adults living in residential aged care facilities and those living in the community in Melbourne, Australia. *Australasian Journal on Ageing*. Available at: <http://doi.wiley.com/10.1111/ajag.12413> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

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### On-Scene Interventions

Best, R.R. et al., 2017. Pediatric Drowning. *Pediatric Emergency Care*, p.1. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28486266> [Accessed June 1, 2017]. **Check with your local Library Service provider.**

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North West Ambulance Service	eMail: <a href="mailto:Matt.Holland@nwas.nhs.uk">Matt.Holland@nwas.nhs.uk</a> Link to: <a href="#">Library Website</a>	Outreach Service; Guest membership of local NHS Library
South East Ambulance Service	eMail: <a href="mailto:Holly.Case@sash.nhs.uk">Holly.Case@sash.nhs.uk</a>	Outreach Library Service; Membership of local NHS Library.
Yorkshire Ambulance Service	eMail: <a href="mailto:library.crh@cht.nhs.uk">library.crh@cht.nhs.uk</a> Link to: <a href="#">Library Website</a>	Membership of Calderdale and Huddersfield NHS FT, Library and Knowledge Services
South Central Ambulance Service	eMail: <a href="mailto:library@royalberkshire.nhs.uk">library@royalberkshire.nhs.uk</a> Link to: <a href="#">Library Website</a>	Membership of Royal Berkshire NHS Foundation Trust Library
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### Feedback to

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