



Welcome to **May 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 May edition

The Researcher Magazine

Magazine written for and by researchers in the North West. Currently in Issue three. You can read The Researcher online [here](#).

New Current Awareness Services for EPRR

You may have received the first copy of the new Current Awareness Service for [Emergency Preparedness, Resilience and Response](#). In case you missed it, or you want to circulate to colleagues, please drop me an eMail [Matt.Holland@nwas.nhs.uk] and I will send you a copy.

MOOC from Future Learn - Improving Healthcare Through Clinical Research

Free MOOC from FutureLearn. Find out how medical treatments are discovered, tested and evaluated to improve healthcare for all. Find out more about the course [here](#).

Matt Holland
May 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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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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- Ⓢ 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

Prehospital Practitioners – Roles, Professional Practice and Development

Bare, C., Bare, C. & Grundmann, O., 2017. Evaluating the Affective and Cognitive Capabilities of Paramedics in the United States in Assessing and Managing Toxic Alcohol Exposures. *Australasian Journal of Paramedicine*, 14(2). Available at: <https://ajp.paramedics.org/index.php/ajp/article/view/522> [Accessed May 6, 2017]. **Open Access@**

Barr, N. et al., 2017. Self-reported behaviors and perceptions of Australian paramedics in relation to hand hygiene and gloving practices in paramedic-led health care. *American Journal of Infection Control*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28385466> [Accessed May 6, 2017]. **Check with your local Library Service provider.**

Bradley, N.L. et al., 2017. Data capture and communication during transfers to definitive care in an inclusive trauma system. *Injury*, 48(5), pp.1069–1073. Available at: <http://www.sciencedirect.com/science/article/pii/S0020138316307264> [Accessed May 6, 2017]. **Check with your local Library Service provider.**

Carlson, J.N. & Wang, H.E., 2017. Paramedic Intubation: Does Practice Make Perfect? *Annals of Emergency Medicine*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28460859> [Accessed May 6, 2017]. **Check with your local Library Service provider.**

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Davies, N., 2017. The satellite security blind spot: what it means for paramedics on the frontline. *Journal of Paramedic Practice*. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108256;article=pp_9_4_144 [Accessed May 6, 2017]. **Check with your local Library Service provider.**

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Gries, A. et al., 2017. Zukunft der Notfallmedizin in Deutschland 2.0. *Der Anaesthetist*. Available at: <http://link.springer.com/10.1007/s00101-017-0308-2> [Accessed May 6, 2017]. **Check with your local Library Service provider.**

Gyory, R.A. et al., 2017. The Efficacy of LUCAS in Prehospital Cardiac Arrest Scenarios: A Crossover Mannequin Study. *Western Journal of Emergency Medicine*, 18(3), pp.437–445. Available at: <http://escholarship.org/uc/item/0p1813xh> [Accessed May 6, 2017]. **Open Access@**

Heldal, I. et al., 2017. Connecting the Links: Narratives, Simulations and Serious Games in Prehospital Training. *Studies in health technology and informatics*, 235, pp.343–347. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28423811> [Accessed May 6, 2017]. **Open Access@**

Hoikka, M., Silfvast, T. & Ala-Kokko, T.I., 2017. A high proportion of prehospital emergency patients are not transported by ambulance: a retrospective cohort study in Northern Finland. *Acta Anaesthesiologica Scandinavica*, 61(5), pp.549–556. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28374471> [Accessed May 5, 2017]. **Check with your local Library Service provider.**

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- Lauria, M.J. et al., 2017. The 5 T's: Applying Cognitive Science to Improve Prehospital Medical Education. *Air Medical Journal*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1067991X17300093> [Accessed May 5, 2017]. **Check with your local Library Service provider.**
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Prehospital Research – Methods and Discussion

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Helicopter Emergency Medical Services (HEMS)

Alabdali, A. et al., 2017. A Systematic Review of the Prevalence and Types of Adverse Events in Interfacility Critical Care Transfers by Paramedics. *Air Medical Journal*. Available at: <http://www.sciencedirect.com/science/article/pii/S1067991X16303078> [Accessed May 6, 2017]. **Check with your local Library Service provider.**

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Diagnosis and Triage

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Andsberg, G. et al., 2017. PreHospital Ambulance Stroke Test - pilot study of a novel stroke test. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 25(1), p.37. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28399897> [Accessed May 5, 2017]. **Open Access@**

Bobinger, T. et al., 2017. Diagnostic value of prehospital ECG in acute stroke patients. *Neurology*, p.10.1212/WNL.0000000000003940. Available at: <http://www.neurology.org/lookup/doi/10.1212/WNL.0000000000003940> [Accessed May 6, 2017]. **Check with your local Library Service provider.**

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Patient Profile

Older People

Apóstolo, J. et al., 2017. Predicting risk and outcomes for frail older adults. *JBI Database of Systematic Reviews and Implementation Reports*, 15(4), pp.1154–1208. Available at: <http://insights.ovid.com/crossref?an=01938924-201704000-00018> [Accessed May 5, 2017]. **Check with your local Library Service provider.**

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Former Prisoners

Borschmann, R. et al., 2017. Ambulance attendances resulting from self-harm after release from prison: a prospective data linkage study. *Social Psychiatry and Psychiatric Epidemiology*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28389689> [Accessed May 6, 2017]. **Check with your local Library Service provider.**

Transgender

Connolly, R., 2017. Pre-hospital care of the transgender patient, *Journal of Paramedic Patients*. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108258;article=pp_9_4_151 [Accessed May 6, 2017]. **Check with your local Library Service provider.**

Children and Young People

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Frequent Attenders

Ho, S.F. et al., 2017. Frequent Attenders of the Emergency Department: Patients' Perspectives and Impact of a Multidisciplinary Case Management Intervention in Reducing Attendance. *Academic Emergency Medicine*, 24(4), pp.502–502. Available at: <http://doi.wiley.com/10.1111/acem.13106> [Accessed May 6, 2017]. **Check with your local Library Service provider.**

On-Scene Interventions

Battaloglu, E. & Porter, K., 2017. Management of pregnancy and obstetric complications in prehospital trauma care: prehospital resuscitative hysterotomy/perimortem caesarean section. *Emergency Medicine Journal*, 34(5), pp.326–330. Available at: <http://emj.bmj.com/lookup/doi/10.1136/emmermed-2016-205979> [Accessed May 6, 2017]. **NHS Open Athens@**

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South East Ambulance Service	eMail: Holly.Case@sash.nhs.uk	Outreach Library Service; Membership of local NHS Library.
Yorkshire Ambulance Service	eMail: library.crh@cht.nhs.uk Link to: Library Website	Membership of Calderdale and Huddersfield NHS FT, Library and Knowledge Services
South Central Ambulance Service	eMail: library@royalberkshire.nhs.uk Link to: Library Website	Membership of Royal Berkshire NHS Foundation Trust Library
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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.