



Welcome to **January 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 January Issue

Welcome to the first issue of 2018.

Resources for Researchers

How to spot Bad Science

How to spot Bad Science is a poster from the “Rough Guide to ...” series. It is a very good summary of the flags to look for. One to share with students and new researchers. Follow the link to download the poster. [<http://www.compoundchem.com/2014/04/02/a-rough-guide-to-spotting-bad-science/>].

Seeing Theory – understanding probability and statistics

A fresh approach to this difficult topic and a good resource for teaching and learning statistics and probability. See the full website here [<http://students.brown.edu/seeing-theory/index.html#firstPage>].

Finding Completed MPhils and PhDs

This question has come up a few times recently in relation to preparing research proposals. There is a downloadable guide here [https://www.networks.nhs.uk/nhs-networks/nwas-library-and-information-service/documents/locating-completed-mphils-and-phd2019s/file_popview].

ETHoS e-theses online service [<http://ethos.bl.uk>]

[ETHoS](http://ethos.bl.uk) is a National database of UK Doctoral theses maintained by the British Library. Many theses are downloadable as full text. ETHoS is free to use. Access to full text requires an individual registration.

BASE Bielefeld Academic Search Engine [<https://www.base-search.net>]

BASE includes masters and doctoral level theses found in c5000 sources around the world. To search for theses go to **Advanced Search** and select **Thesis** as Document Type or one of the sub sets - **Bachelor thesis, Master thesis, Doctoral and postdoctoral thesis**.

Global ETD Search [<http://search.ndltd.org>]

Search 4,745,275 electronic theses and dissertations contained in the **NDLTD** archive.

Open Access Theses and Dissertations (OATD) [<https://oatd.org>]

Sources information from c1100 institutions worldwide and provides access to c4.1 million theses and dissertations.

SHARE [<https://share.osf.io/discover?type=publication>]

SHARE searches c166 repositories from American research organisations and universities. To search for theses expand the **Publication** type and select **Thesis**.

WorldCat [<http://www.worldcat.org>]

WorldCat includes MA/MSc. as well as MPhil/Ph.Ds with extensive geographical and chronological coverage. To search use **Advanced Search** select **Content** and **Thesis/dissertations**. Make use of *Keywords* and *Subjects* to search for relevant topics.

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](#). 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.

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;

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 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 – Professional 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. Available

at: <http://linkinghub.elsevier.com/retrieve/pii/S1876139916301888> [Accessed January 1, 2018]. **Open Access@**

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. Available

at: <http://link.springer.com/10.1007/s10900-017-0446-0> [Accessed January 2, 2018]. **Check with your local Library Service provider.**

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. Available

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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*. Available

at: <http://linkinghub.elsevier.com/retrieve/pii/S1755599X17301325> [Accessed January 2, 2018]. **Check with your local Library Service provider.**

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

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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 Medicine Journal*, 34(12), pp.A880–A882. Available at:

<http://emj.bmj.com/lookup/doi/10.1136/emmermed-2017-207308.31> [Accessed January 2, 2018]. **NHS Open Athens@**

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Chapman, E., 2017. A peek into the life of a student paramedic. *Journal of Paramedic Practice*, 9(12), pp.537–537. Available at:

<http://www.magonlinelibrary.com/doi/10.12968/jpar.2017.9.12.537> [Accessed January 1, 2018]. **Check with your local Library Service provider.**

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. Available at:

<http://fn.bmj.com/lookup/doi/10.1136/archdischild-2017-313900> [Accessed January 2, 2018]. **Check with your local Library Service provider.**

Edwards, S.T., Peterson, K., Chan, B. et al. Effectiveness of Intensive Primary Care Interventions: A Systematic Review *J GEN INTERN MED* (2017) 32: 1377. Available from: <https://doi.org/10.1007/s11606-017-4174-z> **Check with your local Library Service provider.**

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. Available

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Gretenkort, P. et al., 2017. Einsatz von Notärzten in Ländern mit Paramedic-System. *Der Notarzt*, 33(6), pp.272–278. Available at: <http://www.thieme-connect.de/DOI/DOI?10.1055/s-0043-122219> [Accessed January 1, 2018]. **Check with your local Library Service provider.**

Howard, I. et al., 2017. Quality Indicators for Evaluating Prehospital Emergency Care: A Scoping Review. *Prehospital and Disaster Medicine*, pp.1–10. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29223193> [Accessed January 1, 2018]. **Check with your local Library Service provider.**

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Prehospital Research – Methods and Discussion

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Reid, C. & Burns, B., 2017. Meaningful Interventions in Prehospital and Retrieval Medicine. *Prehospital Emergency Care*, 21(6), p.789. Available at: <https://www.tandfonline.com/doi/full/10.1080/10903127.2017.1325954> [Accessed January 1, 2018]. **Check with your local Library Service provider.**

Helicopter Emergency Medical Services (HEMS)

Aioffi, A. et al., 2017. Air Versus Ground Transportation in Isolated Severe Head Trauma: A National Trauma Data Bank Study. *The Journal of Emergency Medicine*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0736467917310946> [Accessed January 1, 2018]. **Check with your local Library Service provider.**

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. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1067991X17300354> [Accessed January 2, 2018]. **Check with your local Library Service provider.**

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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. Available at: <http://insights.ovid.com/crossref?an=00063110-900000000-99229> [Accessed January 1, 2018]. **Check with your local Library Service provider.**

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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*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1067991X16302802> [Accessed January 2, 2018]. **Open Access@**

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Diagnosis and Triage

Desai, S. et al., 2017. LO83: Effectiveness of implementing evidence based interventions to reduce C-spine imaging in the emergency department: a systematic review [Abstract]. *CJEM*, 19(S1), pp.S56–S57. Available at: <http://doi.wiley.com/10.1111/acem.13364> [Accessed January 3, 2018]. **Check with your local Library Service provider.**

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North West Ambulance Service	eMail: Matt.Holland@nwas.nhs.uk Link to: Library Website	Outreach Service; Guest membership of local NHS Library
South East Ambulance	eMail: Holly.Case@sash.nhs.uk	Outreach Library Service;

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
South West Ambulance Service	eMail: library.mailbox@nhs.net Link to: Library Website	Membership of the any of these libraries .
London Ambulance Service	eMail: caru.administrtor@londonambulance.nhs.uk	Document Supply, Research

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.