



Welcome to **March 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 March Issue

For the 57 Issue of PESCAU we welcome readers attending the 999 EMS Research Forum Conference 26th-27th March. Just a reminder that if you want to be added to the mailing list please send an eMail to Matt.Holland@nwas.nhs.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 @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](https://twitter.com/NWASLibrary)

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;

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

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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 – Professional Development

- Adams, B.D. & Moore, S.B., 2018. Managers Are Necessary; Leaders Are Essential. *Annals of Emergency Medicine*, 71(3), pp.432–433. Available at: https://www.sciencedirect.com/science/article/pii/S0196064417317481?_rdoc=1&_fmt=high&_origin=gateway&_docanchor=&md5=b8429449ccfc9c30159a5f9aeaa92ffb [Accessed March 4, 2018]. **Check with your local Library Service provider.**
- Aghera, A. et al., 2018. A randomized trial of SMART goal enhanced debriefing after simulation to promote educational actions. *Western Journal of Emergency Medicine*, 19(1), pp.112–120. Available at: <https://escholarship.org/uc/item/3kp11852> [Accessed March 4, 2018]. **Open Access**
- Barrientos, C. & Holmberg, M., 2018. The care of patients assessed as not in need of emergency ambulance care – Registered nurses' lived experiences. *International Emergency Nursing*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29433812> [Accessed March 4, 2018]. **Check with your local Library Service provider.**
- Brenner, J.M. et al., 2018. The Ethics of Real-Time EMS Direction: Suggested Curricular Content. *Prehospital and Disaster Medicine*, pp.1–12. Available at: https://www.cambridge.org/core/product/identifier/S1049023X18000110/type/journal_article [Accessed March 4, 2018]. **Check with your local Library Service provider.**
- Byrne, E. & Bury, G., 2018. Barriers to the medication error reporting process within the Irish National Ambulance Service, a focus group study. *Irish Journal of Medical Science (1971 -)*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29423822> [Accessed March 4, 2018]. **Check with your local Library Service provider.**
- Clarkson, G., 2018. *Evaluating the potential of iPads to actively engage paramedicine students in an authentic learning experience*, Monash University Centre for Ambulance and Paramedic Studies. Available at: <https://ajp.paramedics.org/index.php/ajp/article/view/548> [Accessed March 4, 2018]. **Open Access**
- Collen, A., 2018. *Making prescribing a reality: the next steps in practice.*, Journal of Paramedic Practice. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108706;article=pp_10_2_52 [Accessed March 4, 2018]. **Check with your local Library Service Provider.**
- Chiu, P.-W. et al., 2018. Ambulance traffic accidents in Taiwan. *Journal of the Formosan Medical Association*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0929664617307829> [Accessed March 4, 2018]. **Open Access**
- Eisenmann, D. et al., 2018. Interprofessional Emergency Training Leads to Changes in the Workplace. *Western Journal of Emergency Medicine*, 19(1), pp.185–192. Available at: <https://escholarship.org/uc/item/68m8j5f2> [Accessed March 3, 2018]. **Open Access**
- Evrin, T., Kaminska, H. & Wiczorek, W., 2018. Paramedics attitudes toward endotracheal intubation. *The American Journal of Emergency Medicine*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29402686> [Accessed March 4, 2018]. **Check with your local Library Service Provider.**
- Fallon, T. & Strout, T., 2018. Free Open Access Medical Education (FOAM) Resources in a Team-Based Learning Educational Series. *Western Journal of Emergency Medicine*, 19(1), pp.142–144. Available at: <https://escholarship.org/uc/item/2jc7m4xp> [Accessed March 4, 2018]. **Open Access**

- Fowler, J., Beovich, B. & Williams, B., 2018. *Improving paramedic confidence with paediatric patients: A scoping review.*, Monash University Centre for Ambulance and Paramedic Studies. Available at: <https://ajp.paramedics.org/index.php/ajp/article/view/559> [Accessed March 4, 2018]. **Open Access**
- Fritze, R., Graser, A. & Sinnl, M., 2018. Combining spatial information and optimization for locating emergency medical service stations: A case study for Lower Austria. *International Journal of Medical Informatics*, 111, pp.24–36. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1386505617304513> [Accessed March 4, 2018]. **Check with your local Library Service Provider.**
- Kua, P.H.J. et al., 2018. Knowledge and attitude of Singapore schoolchildren learning cardiopulmonary resuscitation and automated external defibrillator skills. *Singapore Med J*. Available at: <http://www.smj.org.sg/sites/default/files/OA-2016-214-epub.pdf> [Accessed March 4, 2018]. **Open Access**
- Kotani, K. et al., 2018. Effects of high ambient temperature on ambulance dispatches in different age groups in Fukuoka, Japan. *Global Health Action*, 11(1), p.1437882. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29471745> [Accessed March 4, 2018]. **Open Access**
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- Lau, H.S. et al., 2018. Qualitative Evaluation of the Coach Training within a Community Paramedicine Care Transitions Intervention. *Prehospital Emergency Care*, pp.1–8. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29432041> [Accessed March 4, 2018]. **Check with your local Library Service Provider.**
- Leibold, A. et al., Is Every Life Worth Saving: Does Religion and Religious Beliefs Influence Paramedic's End-of-Life Decision-making? A Prospective Questionnaire-based Investigation. *Indian journal of palliative care*, 24(1), pp.9–15. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29440799> [Accessed March 4, 2018]. **Open Access**
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- McCaul, M. et al., 2018. Developing prehospital clinical practice guidelines for resource limited settings: why re-invent the wheel? *BMC Research Notes*, 11(1), p.97. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29402334> [Accessed March 4, 2018]. **Open Access**
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Prehospital Research – Methods and Discussion

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Mackenzie, R., 2018. Brief history of Pre-Hospital Emergency Medicine. *Emergency medicine journal : EMJ*, 35(3), pp.146–148. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29463631> [Accessed March 4, 2018]. **NHS Open Athens**

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Helicopter Emergency Medical Services (HEMS) and Air Medical

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Waack, J. et al., 2018. Delayed Sequence Intubation by Intensive Care Flight Paramedics in Victoria, Australia. *Prehospital Emergency Care*, pp.1–7. Available at: <https://www.tandfonline.com/doi/full/10.1080/10903127.2018.1426665> [Accessed March 4, 2018]. **Check with your local Library Service Provider.**

Diagnosis and Triage

Ahn, K.O. et al., 2018. Validation of the criteria for early critical care resource use in assessing the effectiveness of field triage. *The American Journal of Emergency Medicine*, 36(2), pp.257–261. Available at: <https://www.sciencedirect.com/science/article/pii/S073567571730640X?rdoc=1&fmt=high&origln=gateway&docanchor=&md5=b8429449ccfc9c30159a5f9aeaa92ffb> [Accessed March 4, 2018]. **Check with your local Library Service Provider.**

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Patient Profile

Patient Satisfaction

García-Alfranca, F. et al., 2018. Patient Satisfaction with Pre-Hospital Emergency Services. A Qualitative Study Comparing Professionals' and Patients' Views. *International Journal of Environmental Research and Public Health*, 15(2), p.233. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29385778> [Accessed March 4, 2018]. **Check with your local Library Service Provider.**

Transgender

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On-Scene Interventions

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| Isle of Wight | eMail: library@iow.nhs.uk Link to: Library Website | Full library membership of the Oliveira Library. |
| North West Ambulance Service | eMail: Matt.Holland@nwas.nhs.uk Link to: Library Website | Outreach Service; Guest membership of local NHS Library |

| | | |
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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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| 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.