



Welcome to **September 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 September Issue

Twitter. A guide to searching for research purposes

This is a new guide from NWS LKS on using Twitter as a source of information for research. The guide can be found at the end of this list [<https://www.networks.nhs.uk/nhs-networks/nwas-library-and-information-service/guides#section-2>] or downloaded from here [https://www.networks.nhs.uk/nhs-networks/nwas-library-and-information-service/documents/twitter-a-guide-to-searching-for-research-purposes/at_download/file].

Right Evidence, Right Decisions

Support the Campaign from NIHR to raise awareness about the importance of using the best available research evidence to inform decision-making in health and social care. See the website for information and promotional materials including printable postcards [<http://www.dc.nihr.ac.uk/get-involved/materials-and-resources.htm>]

New Recommender System from Springer Nature

Recommended is a free, personalised service that suggests relevant papers to you, based on what you've previously read, from all publishers. Sign up for free and get recommendations sent to your eMail box. You can register here [<http://recommended.springernature.com/recommended/#email-signup>]. The sample recommendation it came up for me were fairly accurate. Could be worth signing up to.

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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:

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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

Prehospital Practitioners – Professional Development

- Ashton, C., Duffie, D. & Millar, J., 2017. Conserving Quality of Life through Community Paramedics. *Healthcare quarterly* (Toronto, Ont.), 20(2), pp.48–53. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28837015> [Accessed September 7, 2017]. **Check with your local Library Service provider.**
- Barr, N. et al., 2017. A qualitative exploration of infection prevention and control guidance for Australian paramedics. *Australasian Journal of Paramedicine*, 14(3). Available at: <https://ajp.paramedics.org/index.php/ajp/article/view/528> [Accessed September 6, 2017]. **Open Access@**
- Bond, W., Hui, J. & Fernandez, R., 2017. The 2017 Academic Emergency Medicine Consensus Conference: Catalyzing System Change through Healthcare Simulation: Systems, Competency, and Outcomes. *Academic Emergency Medicine*. Available at: <http://doi.wiley.com/10.1111/acem.13302> [Accessed September 7, 2017]. **Check with your local Library Service provider.**
- Bowles, R.R. et al., 2017. Four dimensions of paramedic practice in Canada: Defining and describing the profession. *Australasian Journal of Paramedicine*, 14(3). Available at: <https://ajp.paramedics.org/index.php/ajp/article/view/539> [Accessed September 6, 2017]. **Open Access@**
- Boyle, M., Boyle, M.J. & Wallis, J., 2017. Workplace violence - Is anybody really safe? *Australasian Journal of Paramedicine*, 14(3). Available at: <https://ajp.paramedics.org/index.php/ajp/article/view/590> [Accessed September 7, 2017]. **Open Access@**
- Brooke, J. & Stiell, M., 2017. Development of clinical and inter-personal skills to support people living with dementia. *Journal of Paramedic Practice*, 9(8), pp.348–353. Available at: <http://www.magonlinelibrary.com/doi/10.12968/jpar.2017.9.8.348> [Accessed September 5, 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*, 70(3), pp.391–393. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0196064417303207> [Accessed September 7, 2017]. **Check with your local Library Service provider.**
- Coster, J.E. et al., 2017. Prioritizing novel and existing ambulance performance measures through expert and lay consensus: A three-stage multimethod consensus study. *Health Expectations*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28841252> [Accessed September 7, 2017]. **Check with your local Library Service provider.**
- Dicker, B., Davey, P. & Smith, T., 2017. The association between the first locating emergency ambulance being single crewed and cardiac arrest outcomes in New Zealand. *The New Zealand medical journal*, 130(1461), pp.47–55. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28859066> [Accessed September 7, 2017]. **Check with your local Library Service provider.**
- El Sayed, M., 2017. Developing emergency and trauma systems internationally: What is really needed for better outcomes? *Journal of Emergencies, Trauma, and Shock*, 10(3), p.91. Available at: <http://www.onlinejets.org/text.asp?2017/10/3/91/212506> [Accessed September 7, 2017]. **Check with your local Library Service provider.**
- Garus-Pakowska, A., Szatko, F. & Ulrichs, M., 2017. Work-related accidents and sharp injuries in paramedics—illustrated with an example of a multi-specialist hospital, located in central Poland. *International Journal of Environmental Research and Public Health*, 14(8), p.901. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28796193> [Accessed September 5, 2017]. **Open Access@**

- Gautam, V., 2017. The need for sound professional advice. *Journal of Paramedic Practice*, 9(8), pp.327–327. Available at: <http://www.magonlinelibrary.com/doi/10.12968/jpar.2017.9.8.327> [Accessed September 5, 2017].]. **Check with your local Library Service provider.**
- Greenwood-Ericksen, M.B., Tipirneni, R. & Abir, M., 2017. An Emergency Medicine–Primary Care Partnership to Improve Rural Population Health: Expanding the Role of Emergency Medicine. *Annals of Emergency Medicine*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0196064417307886> [Accessed September 7, 2017].]. **Check with your local Library Service provider.**
- Häske, D. et al., 2017. Subjective safety and self-confidence in prehospital trauma care and learning progress after trauma-courses: part of the prospective longitudinal mixed-methods EPPTC-trial. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 25(1), p.79. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28806988> [Accessed September 5, 2017]. **Open Access@**
- Hörberg, A. et al., 2017. Striving for balance - A qualitative study to explore the experiences of nurses new to the ambulance service in Sweden. *Nurse Education in Practice*, 27, pp.63–70. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28846965> [Accessed September 7, 2017]. **Check with your local Library Service provider.**
- Irving, A. et al., 2017. A coproduced patient and public event: An approach to developing and prioritizing ambulance performance measures. *Health Expectations*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28841272> [Accessed September 7, 2017]. **Check with your local Library Service provider.**
- Kalyani, M.N. et al., 2017. Perspectives of Patient Handover among Paramedics and Emergency Department Members; a Qualitative Study. *Emergency*, 5(1), p.76. Available at: <http://journals.sbmu.ac.ir/emergency/article/view/17261> [Accessed September 7, 2017]. **Open Access@**
- Kerai, S.M. et al., 2017. Post-traumatic stress disorder and its predictors in emergency medical service personnel: a cross-sectional study from Karachi, Pakistan. *BMC Emergency Medicine*, 17(1), p.26. Available at: <http://bmccemergmed.biomedcentral.com/articles/10.1186/s12873-017-0140-7> [Accessed September 7, 2017]. **Open Access@**
- Lenson, S. & Mills, J., 2017. Undergraduate paramedic student psychomotor skills in an obstetric setting: An evaluation. *Nurse Education in Practice*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1471595317305152> [Accessed September 5, 2017]. **Check with your local Library Service provider.**
- Madavan Nambiar, K., Nedungalaparambil, N. & Aslesh, O., 2017. Studying the variability in patient inflow and staffing trends on Sundays versus other days in the academic emergency department. *Journal of Emergencies, Trauma, and Shock*, 10(3), p.121. Available at: <http://www.onlinejets.org/text.asp?2017/10/3/121/212498> [Accessed September 7, 2017]. **Check with your local Library Service provider.**
- McLelland, G. et al., 2017. Interprofessional simulation of birth in a non-maternity setting for pre-professional students. *Nurse Education Today*, 58, pp.25–31. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0260691717301788> [Accessed September 5, 2017]. **Check with your local Library Service provider.**
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Prehospital Research – Methods and Discussion

Wagner, G. et al., 2017. Trading certainty for speed - how much uncertainty are decisionmakers and guideline developers willing to accept when using rapid reviews: an international survey. *BMC Medical Research Methodology*, 17(1), p.121. Available at: <http://bmcmmedresmethodol.biomedcentral.com/articles/10.1186/s12874-017-0406-5> [Accessed September 5, 2017]. **Open Access@**

Helicopter Emergency Medical Services (HEMS)

Diagnosis and Triage

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Patient Profile

Children

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VanderKooy, T. et al., 2017. Utilization of Intravenous Catheters by Prehospital Providers during Pediatric Transports. *Prehospital Emergency Care*, pp.1–8. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28792258> [Accessed September 5, 2017]. **Check with your local Library Service provider.**

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Older People

Kirshenbom, D. et al., 2017. Older age, comorbid illnesses, and injury severity affect immediate outcome in elderly trauma patients. *Journal of Emergencies, Trauma and Shock*, 10(3), p.146. Available at: <http://www.onlinejets.org/text.asp?2017/10/3/146/212505> [Accessed September 7, 2017]. **Check with your local Library Service provider.**

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On-Scene Interventions

Atzema, C.L. & Austin, P.C., 2017. Rate-control with beta-blockers versus calcium-channel blockers in the emergency setting: predictors of medication class choice and associated hospitalization. *Academic Emergency Medicine*. Available at: <http://doi.wiley.com/10.1111/acem.13303> [Accessed September 7, 2017]. **Check with your local Library Service provider.**

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Airway Management, Resuscitation & CPR

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Czyż, R. et al., 2017. Paramedics Knowledge About Providing Paediatric Advanced Medical Resuscitation Procedures. *Journal of Education, Health and Sport*, 7(8), pp.170–180. Available at: <http://ojs.ukw.edu.pl/index.php/johs/article/view/4710> [Accessed September 7, 2017]. **Open Access@**

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| South East Ambulance Service | eMail: Holly.Case@sash.nhs.uk | Outreach Library Service; Membership of local NHS 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.