



Welcome to **September 2018 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

### New Guide to Predatory Journals and Publishers from LKS ASE

A new guide from LKS ASE to *Predatory Journals and Publishers*. The guide takes you through what predatory journals are and how to identify them. You can find the guide here [ <https://ambulance.libguides.com/predatoryjournals> ].

### Request an article service

Request  
an article



Where articles in this issue are not available through *Open Access* or *NHS Open Athens* you have the option of requesting articles through the [Request an Article](#) service if you are a member of a participating Ambulance Services. For all current awareness services provided by LKS ASE see

the [Current Awareness](#) home page.

### New Twitter Account @LKSASE

The *Library & Knowledge Service for NHS Ambulance Services in England* now has new Twitter handle [@LKSASE](#). All the articles included in this Current Awareness Service are first Tweeted to [@LKSASE](#). If you would like to keep up to date with the latest *Prehospital Emergency Services Current Awareness Update – Issue 63, Sept*



research as it is published please do Follow [@LKSASE](#). The old @NWASLibrary Account has been retired. Look forward to seeing you [@LKSASE](#).

### 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 [@LksAse](#) or go to. This account Tweets the latest relevant research for Paramedic Practice as it's published from scholarly/academic journals.

### 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

**Matt Holland, LKS ASE Librarian**

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

Email: [Matt.Holland@nwas.nhs.uk](mailto:Matt.Holland@nwas.nhs.uk)

*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.
- Papers listed as **NHS Open Athens** 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 or from the [LKS ASE Request an article service](#) , or University Library, 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.

<https://ambulance.libguides.com/currentawareness>

## Prehospital Practitioners – Professional Development

Request  
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

Aledhaim, A., Fishe, J. N., Hirshon, J. M., & Anders, J. F. (2018). Pediatric Conditions Requiring Interfacility Transport from Emergency Departments. *Pediatric Emergency Care*, 1. <https://doi.org/10.1097/PEC.0000000000001578>

Altuwajri, E. A., Budgen, D., & Maxwell, S. (2018). Factors impeding the effective utilisation of an electronic patient report form during handover from an ambulance to an emergency department. *Health Informatics Journal*, 146045821879798. <https://doi.org/10.1177/1460458218797984>

Ambulance services 'key partners' in transformation drive - NHS Confederation. (n.d.). Retrieved October 7, 2018, from <http://www.nhsconfed.org/news/2018/09/ambulance-services-key-partners-in-transformation-drive> **Open Access**

Backer, H. D., D'Arcy, N. T., Davis, A. J., Barton, B., & Sporer, K. A. (2018). Statewide Method of Measuring Ambulance Patient Offload Times. *Prehospital Emergency Care*, 1–18. <https://doi.org/10.1080/10903127.2018.1525456>

Boyle, A. A., Martin, M. S., Ahmed, H., Snelling, K., Dean, J., & Price, J. (2018). Changing epidemiology of assault victims in an emergency department participating in information sharing with police: a time series analysis. *Emergency Medicine Journal: EMJ*, 35(10), 608–613. <https://doi.org/10.1136/emmermed-2017-207087> **NHS Open Athens**

Caffrey, S. M., Barnes, L. C., & Olvera, D. (2018). Joint Position Statement on Degree Requirements for Paramedics. *Prehospital Emergency Care*, 1–7. <https://doi.org/10.1080/10903127.2018.1519006>

Crouch, R., & Brown, R. (2018). Advanced clinical practitioners in emergency care: past, present and future. *British Journal of Hospital Medicine*, 79(9), 511–515. <https://doi.org/10.12968/hmed.2018.79.9.511>

Daubney, E. (2018). Becoming an autonomous practitioner. *Journal of Paramedic Practice*, 10(9), 399–399. Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108940;article=pp\\_10\\_9\\_399](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108940;article=pp_10_9_399)

Deng, Q., Zhou, X., & Wu, F. (2018). Updated Knowledge About the Diagnosis and Treatment of Sepsis and Septic Shock. *Journal of Emergency Nursing: JEN : Official Publication of the Emergency Department Nurses Association*, 44(5), 444–445. <https://doi.org/10.1016/j.jen.2018.06.006>

Do, M. T., Furlong, G., Rietschlin, M., Leyenaar, M., Nolan, M., Poirier, P., ... Thompson, W. (2018). At-a-glance - What can paramedic data tell us about the opioid crisis in Canada? *Health Promotion and Chronic Disease Prevention in Canada*, 38(9), 339–342. <https://doi.org/10.24095/hpcdp.38.9.06> **Open Access**

Duvald, I., Moellekaer, A., Boysen, M. A., & Vest-Hansen, B. (2018). Linking the severity of illness and the weekend effect: a cohort study examining emergency department visits. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), 72. <https://doi.org/10.1186/s13049-018-0542-x> **Open Athens**

Gandhi, J. S. (2018). Role of Paramedical Staff in a Health Service. *The American Journal of Medicine*, 131(9), e399. <https://doi.org/10.1016/j.amjmed.2018.02.028>

- Hanna, H., Jordan, Z., & Peters, M. D. J. (2018). Experiences of learning, development and preparedness for clinical practice among undergraduate paramedicine students, graduate/intern paramedics and their preceptors. JBI Database of Systematic Reviews and Implementation Reports, 1. <https://doi.org/10.11124/JBISRIR-2017-003618>  
**Open Access**
- Hovenkamp, G. T., Olgers, T. J., Wortel, R. R., Noltes, M. E., Dercksen, B., & ter Maaten, J. C. (2018). The satisfaction regarding handovers between ambulance and emergency department nurses: an observational study. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 26(1), 78. <https://doi.org/10.1186/s13049-018-0545-7>  
**Open Access**
- Kucmin, T., Kucmin, A., Turska, D., Turski, A., & Nogalski, A. (2018). Coping styles and dispositional optimism as predictors of PTSD symptoms intensity in paramedics. Psychiatria Polska, 52(3), 557–571. <https://doi.org/10.12740/PP/68514> **Open Access**
- Leaman, A., & Nutbeam, T. (2018). Response times by the police and ambulance services at motor vehicle crashes in the West Mercia region. Trauma, 20(4), 255–257. <https://doi.org/10.1177/1460408617700674>
- Mackay, M. H., Ratner, P. A., Veenstra, G., Scheuermeyer, F. X., Grubisic, M., Ramanathan, K., ... Humphries, K. H. (2018). Racism is not a factor in door-to- ECG times of patients with symptoms of acute coronary syndrome: A prospective, observational study. Academic Emergency Medicine, acem.13569. <https://doi.org/10.1111/acem.13569> **Open Access**
- Milaniak, I., Wilczek-Rużyczka, E., & Przybyłowski, P. (2018). Role of Empathy and Altruism in Organ Donation Decisionmaking Among Nursing and Paramedic Students. Transplantation Proceedings, 50(7), 1928–1932. <https://doi.org/10.1016/j.transproceed.2018.02.153>
- Moloney, J. (2018). A new paradigm for retrieval medicine. Emergency Medicine Australasia, 30(5), 725–726. <https://doi.org/10.1111/1742-6723.13115>
- Munro, G. G., O’Meara, P., & Mathisen, B. (2018). Paramedic academics in Australia and New Zealand: The ‘no man’s land’ of professional identity. Nurse Education in Practice, 33, 33–36. <https://doi.org/10.1016/j.nepr.2018.08.006>
- Murray, E., Krahé, C., & Goodsman, D. (2018). Are medical students in prehospital care at risk of moral injury? Emergency Medicine Journal : EMJ, 35(10), 590–594. <https://doi.org/10.1136/emmermed-2017-207216> **NHS Open Athens**
- O’Cathain, A., Jacques, R., Stone, T., & Turner, J. (2018). Why do ambulance services have different non-transport rates? A national cross sectional study. PLOS ONE, 13(9), e0204508. <https://doi.org/10.1371/journal.pone.0204508>  
**Open Access**
- Patient Autonomy and Destination Factors in Emergency Medical Services (EMS) and EMS-Affiliated Mobile Integrated Healthcare/Community Paramedicine Programs. (2018). Annals of Emergency Medicine, 72(4), e57–e58. <https://doi.org/10.1016/j.annemergmed.2018.07.032>
- Romano, V. (2018). The time is right to make decisions with confidence. Journal of Paramedic Practice, 10(9), 400–401. Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108941;article=pp\\_10\\_9\\_400](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108941;article=pp_10_9_400)
- Rosen, T., Stern, M. E., Mulcare, M. R., Elman, A., McCarthy, T. J., LoFaso, V. M., ... Lachs, M. S. (2018). Emergency department provider perspectives on elder abuse and development of a novel ED-based multidisciplinary intervention team. Emergency Medicine Journal : EMJ, 35(10), 600–607. <https://doi.org/10.1136/emmermed-2017-207303> **NHS Open Athens**

Vikke, H. S., Giebner, M., & Kolmos, H. J. (2018). Prehospital infection control and prevention in Denmark: a cross-sectional study on guideline adherence and microbial contamination of surfaces. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), 71. <https://doi.org/10.1186/s13049-018-0541-y> **Open Access**

## Prehospital Research – Methods and Discussion

Request  
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

Bak, M. A. R., Blom, M. T., Tan, H. L., & Willems, D. L. (2018). Ethical aspects of sudden cardiac arrest research using observational data: a narrative review. *Critical Care*, 22(1), 212. <https://doi.org/10.1186/s13054-018-2153-3> **Open Access**

Keen, L., Bulger, J. K., Rees, N., Snooks, H., Fegan, G., Ford, S., ... Longo, M. (2018). Use of scratchcards for allocation concealment in a prehospital randomised controlled trial. *Emergency Medicine Journal*, emermed-2018-207881. <https://doi.org/10.1136/emered-2018-207881> **NHS Open Athens**

Metzendorf, M.-I., & Featherstone, R. M. (2018). Ensuring quality as the basis of evidence synthesis: leveraging information specialists' knowledge, skills, and expertise. *Cochrane Database of Systematic Reviews*, (9). <https://doi.org/10.1002/14651858.ED000125> **Open Access**

Wilson, C., Harley, C., & Steels, S. (2018). Systematic review and meta-analysis of pre-hospital diagnostic accuracy studies. *Emergency Medicine Journal*, emermed-2018-207588. <https://doi.org/10.1136/emered-2018-207588> **NHS Open Athens**

Wireklint Sundström, B., Bremer, A., Lindström, V., & Vicente, V. (2018). Caring science research in the ambulance services: an integrative systematic review. *Scandinavian Journal of Caring Sciences*. <https://doi.org/10.1111/scs.12607> **Open Access**

## Helicopter Emergency Medical Services (HEMS) and Air Medical

Request  
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

Abrahamsen, E. B., Selvik, J. T., Dahle, A. N., Asche, F., & Abrahamsen, H. B. (2018). A socio-economic analysis of increased staffing in the Norwegian helicopter emergency medical service. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), 83. <https://doi.org/10.1186/s13049-018-0548-4> **Open Access**

D'Agostino, E., Hong, J., Sudoku, C., Simmons, N., & Lollis, S. S. (2018). Prehospital Predictors of Emergent Intervention After Helicopter Transfer for Spontaneous Intraparenchymal Hemorrhage. *World Neurosurgery*. <https://doi.org/10.1016/j.wneu.2018.08.050>

Dick, S. (2018). Air transport and beyond. *Journal of Paramedic Practice*, 10(9), 394–394. Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108937;article=pp\\_10\\_9\\_394](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108937;article=pp_10_9_394)

Enomoto, Y., Tsuchiya, A., Tsutsumi, Y., Kikuchi, H., Ishigami, K., Osone, J., ... Inoue, Y. (2018). Characteristics of Children Cared for by a Physician-Staffed Helicopter Emergency Medical Service. *Pediatric Emergency Care*, 1. <https://doi.org/10.1097/PEC.0000000000001608>

Kornhall, D., Näslund, R., Klingberg, C., Schiborr, R., & Gellerfors, M. (2018). The mission characteristics of a newly implemented rural helicopter emergency medical service. *BMC Emergency Medicine*, 18(1), 28. <https://doi.org/10.1186/s12873-018-0176-3> **Open Access**

Steele, B. (2018). Role of the new HEMS Development Manager at AAA. *Journal of Paramedic Practice*, 10(9), 395–395. Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108938;article=pp\\_10\\_9\\_395](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108938;article=pp_10_9_395)

van Niekerk, G., Welzel, T., & Stassen, W. (2018). Clinical Interventions Account for Scene Time in a Helicopter Emergency Medical Service in South Africa. *Air Medical Journal*, 0(0). <https://doi.org/10.1016/j.amj.2018.07.027>

## Diagnosis and Triage

Request  
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

Ali, A., Zachrisson, K. S., Eschenfeldt, P. C., Schwamm, L. H., & Hur, C. (2018). Optimization of Prehospital Triage of Patients With Suspected Ischemic Stroke. *Stroke*, 49(10), 2532–2535. <https://doi.org/10.1161/STROKEAHA.118.022041> **Open Access**

Authored by the 2017 ENA Clinical Practice Guideline Committee, M. E., Lead Authors, M. L., Zaleski, M. E., Johnson, M. L., Valdez, A. M., Bradford, J. Y., ... Gates, L. (2018). Clinical Practice Guideline: Suicide Risk Assessment. *Journal of Emergency Nursing: JEN : Official Publication of the Emergency Department Nurses Association*, 44(5), 505.e1-505.e33. <https://doi.org/10.1016/j.jen.2018.07.012>

Carpenter, C. R., Banerjee, J., Keyes, D., Eagles, D., Schnitker, L., Barbic, D., ... LaMantia, M. A. (2018). Accuracy of Dementia Screening Instruments in Emergency Medicine – A Diagnostic Meta-Analysis. *Academic Emergency Medicine*, acem.13573. <https://doi.org/10.1111/acem.13573>

Casu, S., Blau, J., Schempf, B., & Häske, D. (2018). If you don't take a temperature, you can't find a fever. *Notfall + Rettungsmedizin*. <https://doi.org/10.1007/s10049-018-0526-4>

Cheung, K., Leung, L., Siu, Y., Tsang, T., Tsui, M. S., Tam, C., & Chan, R. H. (2018). Prehospital 12-lead electrocardiogram for patients with chest pain: a pilot study. *Hong Kong Medical Journal*. <https://doi.org/10.12809/hkmj177135> **Open Access**

Deng, Q., Zhou, X., & Wu, F. (2018). Updated Knowledge About the Diagnosis and Treatment of Sepsis and Septic Shock. *Journal of Emergency Nursing: JEN : Official Publication of the Emergency Department Nurses Association*, 44(5), 444–445. <https://doi.org/10.1016/j.jen.2018.06.006> **Open Access**

Iezzoni, L. I., Kothari, D., Camargo, C. A., Wint, A. J., Cluett, W. S., Tripodis, Y., & Palmisano, J. (2018). Making Triage Decisions for the Acute Community Care Program: Paramedics Caring for Urgent Health Problems in Patients' Homes. *American Journal of Medical Quality*, 106286061880058. <https://doi.org/10.1177/1062860618800582>

Jaskiewicz, F., & Zielinska, M. (2018). Prehospital clinical presentation in patients with acute coronary syndrome complicated by cardiogenic shock: A single center study. *Australian Critical Care*. <https://doi.org/10.1016/j.aucc.2018.08.002>

Javaudin, F., Desce, N., Le Bastard, Q., De Carvalho, H., Le Conte, P., Escutnaire, J., ... GR-RéAC. (2018). Impact of pre-hospital vital parameters on the neurological outcome of out-of-hospital cardiac arrest: Results from the French National Cardiac Arrest Registry. *Resuscitation*, 133, 5–11. <https://doi.org/10.1016/j.resuscitation.2018.09.016>

*Prehospital Emergency Services Current Awareness Update – Issue 63, September 2018*

- Mallinson, T. (2018). A qualitative exploration of current paramedic cardiac auscultation practices. *Journal of Paramedic Practice*, 10(9). Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108936;article=pp\\_10\\_9](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108936;article=pp_10_9)
- Marsh-Feiley, G., Eadie, L., & Wilson, P. (2018). Paramedic and physician perspectives on the potential use of remotely supported prehospital ultrasound. *Rural and Remote Health*, 18(3), 4574. <https://doi.org/10.22605/RRH4574> **Open Access**
- Noll, S., Alvey, H., Jayaprakash, N., Paranjpe, A., Miller, J., Moyer, M. L., & Nowak, R. (2018). The utility of the triage electrocardiogram for the detection of ST-segment elevation myocardial infarction. *The American Journal of Emergency Medicine*, 36(10), 1771–1774. <https://doi.org/10.1016/j.ajem.2018.01.083>
- Patel, R., Nugawela, M. D., Edwards, H. B., Richards, A., Le Roux, H., Pullyblank, A., & Whiting, P. (2018). Can early warning scores identify deteriorating patients in pre-hospital settings? A systematic review. *Resuscitation*, 132, 101–111. <https://doi.org/10.1016/j.resuscitation.2018.08.028>
- Simpson-Scott, K. (2018). Recognising ECG landmarks. *Journal of Paramedic Practice*, 10(9), 396–398. Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108939;article=pp\\_10\\_9\\_396](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108939;article=pp_10_9_396)
- Studnek, J. R., Lerner, E. B., Shah, M. I., Browne, L. R., Brousseau, D. C., Cushman, J. T., ... Stanley, R. M. (2018). Consensus-Based Criterion Standard for the Identification of Pediatric Patients who Need EMS Transport to a Hospital with Higher-Level Pediatric Resources. *Academic Emergency Medicine*, acem.13625. <https://doi.org/10.1111/acem.13625>
- Tanguay, A., Lebon, J., Brassard, E., Hébert, D., & Bégin, F. (2018). Diagnostic accuracy of prehospital electrocardiograms interpreted remotely by emergency physicians in myocardial infarction patients. *The American Journal of Emergency Medicine*. <https://doi.org/10.1016/j.ajem.2018.09.012>
- van Rein, E. A. J., Jochems, D., Lokerman, R. D., van der Sluijs, R., Houwert, R. M., Lichtveld, R. A., ... van Heijl, M. (2018). Diagnostic value of emergency medical services provider judgement in the identification of head injuries among trauma patients. *European Journal of Neurology*. <https://doi.org/10.1111/ene.13804>
- van Rein, E. A. J., Sadiqi, S., Lansink, K. W. W., Lichtveld, R. A., van Vliet, R., Oner, F. C., ... van Heijl, M. (2018). The role of emergency medical service providers in the decision-making process of prehospital trauma triage. *European Journal of Trauma and Emergency Surgery*. <https://doi.org/10.1007/s00068-018-1006-8> **Open Access**
- van Rein, E. A. J., van der Sluijs, R., Raaijmakers, A. M. R., Leenen, L. P. H., & van Heijl, M. (2018). Compliance to prehospital trauma triage protocols worldwide: A systematic review. *Injury*, 49(8), 1373–1380. <https://doi.org/10.1016/j.injury.2018.07.001>
- Whitley, G., & Lord, B. (2018). Discerning the age of a child. *Journal of Paramedic Practice*, 10(9), 383–385. Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108935;article=pp\\_10\\_9\\_383](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108935;article=pp_10_9_383)
- Wilson, C. (2018). Hyperventilation syndrome: diagnosis and reassurance. *Journal of Paramedic Practice*, 10(9), 370–375. Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108933;article=pp\\_10\\_9\\_370](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108933;article=pp_10_9_370)
- Zanatta, M., Benato, P., De Battisti, S., Pirozzi, C., Ippolito, R., & Cianci, V. (2018). Pre-hospital lung ultrasound for cardiac heart failure and COPD: is it worthwhile? *Critical Ultrasound Journal*, 10(1), 22. <https://doi.org/10.1186/s13089-018-0104-5> **Open Access**

## Patient Profile



Request  
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

Han, X., Lowry, T. Y., Loo, G. T., Rabin, E. J., Grinspan, Z. M., Kern, L. M., ... Shapiro, J. S. (2018). Expanding Health Information Exchange Improves Identification of Frequent Emergency Department Users. *Annals of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.annemergmed.2018.07.024>

Nawrocki, P. S., Levy, M., Tang, N., Trautman, S., & Margolis, A. (2018). Interfacility Transport of the Pregnant Patient: A 5-year Retrospective Review of a Single Critical Care Transport Program. *Prehospital Emergency Care*, 1–8. <https://doi.org/10.1080/10903127.2018.1519005>

## On-Scene Interventions

Request  
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

Breeman, W., Poublon, N. A., Verhofstad, M. H. J., & Van Lieshout, E. M. M. (2018). Safety of on-scene medical care by EMS nurses in non-transported patients: a prospective, observational study. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), 79. <https://doi.org/10.1186/s13049-018-0540-z> **Open Access**

Clark, A., Burnie, J., Johann, R., Baker, R., & Hassert, C. (2018). Management of Opioid Overdose Victims Outside the Emergency Department: A Case Discussion. *Journal of Emergency Nursing: JEN : Official Publication of the Emergency Department Nurses Association*, 0(0). <https://doi.org/10.1016/j.jen.2018.08.010>

Conrad, C., Soni, P., Coorg, V., Thompson, B., Muenzer, J., Timmons, Z., & Bulloch, B. (2018). Prehospital Analgesic Administration by Parents for Pain Relief in Children. *Pediatric Emergency Care*, 1. <https://doi.org/10.1097/PEC.0000000000001622>

Cunningham, A., Auerbach, M., Cicero, M., & Jafri, M. (2018). Tourniquet usage in prehospital care and resuscitation of pediatric trauma patients—Pediatric Trauma Society position statement. *Journal of Trauma and Acute Care Surgery*, 85(4), 665–667. <https://doi.org/10.1097/TA.0000000000001839>

De Gruyter, E., Saunders, C., Stavreski, B., & Jennings, G. (2018). Impact of Reducing Pre-Hospital Delay in Response to Heart Attack Symptoms in Australia. *Heart, Lung and Circulation*. <https://doi.org/10.1016/j.hlc.2018.07.018>

Dixon, M., & Voss, S. (2018). Adult intraosseous access: a comparison of devices. *Journal of Paramedic Practice*, 10(9), 376–382. Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108934;article=pp\\_10\\_9\\_376](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108934;article=pp_10_9_376)

Emond, K., O'Meara, P., & Bish, M. (2018). Paramedic management of mental health related presentations: a scoping review. *Journal of Mental Health*, 1–8. <https://doi.org/10.1080/09638237.2018.1487534>

Foerster, C. R., Andrew, E., Smith, K., & Bernard, S. (2018). Amiodarone for sustained stable ventricular tachycardia in the prehospital setting. *Emergency Medicine Australasia*, 30(5), 694–698. <https://doi.org/10.1111/1742-6723.13146>

Gabbay, R. A., Kahn, P. A., & Wagner, N. E. (2018). Underutilization of Glucagon in the Prehospital Setting. *Annals of Internal Medicine*, 169(6), 427. <https://doi.org/10.7326/L18-0300>

Holodinsky, J. K., Williamson, T. S., Demchuk, A. M., Zhao, H., Zhu, L., Francis, M. J., ... Kamal, N. (2018). Modeling Stroke Patient Transport for All Patients With Suspected Large-Vessel Occlusion. *JAMA Neurology*. <https://doi.org/10.1001/jamaneurol.2018.2424>

*Prehospital Emergency Services Current Awareness Update – Issue 63, September 2018*

- Hunter, C. L., Silvestri, S., Stone, A., Shaughnessy, A., Miller, S., Rodriguez, A., & Papa, L. (2018). Prehospital sepsis alert notification decreases time to initiation of CMS sepsis core measures. *The American Journal of Emergency Medicine*. <https://doi.org/10.1016/j.ajem.2018.09.034>
- Jouffroy, R., Saade, A., Muret, A., Philippe, P., Michaloux, M., Carli, P., & Vivien, B. (2018). Fluid resuscitation in pre-hospital management of septic shock. *The American Journal of Emergency Medicine*, 36(10), 1754–1758. <https://doi.org/10.1016/j.ajem.2018.01.078>
- Karcioglu, O., Topacoglu, H., Dikme, O., & Dikme, O. (2018). A systematic review of safety and adverse effects in the practice of therapeutic hypothermia. *The American Journal of Emergency Medicine*, 36(10), 1886–1894. <https://doi.org/10.1016/j.ajem.2018.07.024>
- Kaufmann, M., Nelson, D., Kaushik, P., Mann, N., & Mitchell, B. (2018). Hypoglycemia Emergencies: Factors Associated with Prehospital Care, Transportation Status, Emergency Department Disposition, and Cost. *Prehospital Emergency Care*, 1–32. <https://doi.org/10.1080/10903127.2018.1528322> **Open Access**
- Kim, F., Dezfulian, C., Empey, P. E., Morrell, M., Olsufka, M., Scruggs, S., ... Nichol, G. (2018). Usefulness of Intravenous Sodium Nitrite During Resuscitation for the Treatment of Out-of-Hospital Cardiac Arrest. *The American Journal of Cardiology*, 122(4), 554–559. <https://doi.org/10.1016/j.amjcard.2018.04.060>
- Lack, W., Seymour, R., Bickers, A., Studnek, J., & Karunakar, M. (2018). Prehospital Antibiotic Prophylaxis for Open Fractures: Practicality and Safety. *Prehospital Emergency Care*, 1–4. <https://doi.org/10.1080/10903127.2018.1514089>
- Li, T., Cushman, J. T., Shah, M. N., Kelly, A. G., Rich, D. Q., & Jones, C. M. C. (2018). Barriers to Providing Prehospital Care to Ischemic Stroke Patients: Predictors and Impact on Care. *Prehospital and Disaster Medicine*, 1–7. <https://doi.org/10.1017/S1049023X18000766>
- Lin, K., Lindsay, P., Shams, T., Smith, E., Boulanger, J.-M., Butcher, K., ... Lang, E. (2018). A summary of the Canadian Stroke Best Practice Recommendations, Sixth Edition (2018): Updates relevant to prehospital and emergency medicine providers. *CJEM*, 20(5), 685–692. <https://doi.org/10.1017/cem.2018.438> **Open Access**
- Mankowitz, S. L., Regenber, P., Kaldan, J., & Cole, J. B. (2018). Ketamine for Rapid Sedation of Agitated Patients in the Prehospital and Emergency Department Settings: A Systematic Review and Proportional Meta-Analysis. *The Journal of Emergency Medicine*. <https://doi.org/10.1016/j.jemermed.2018.07.017>
- Monchal, T., Martin, M. J., Antevil, J. L., Bennett, D. R., DeVries, W. C., Zakaluzny, S., ... Stockinger, Z. T. (2018). Emergency Resuscitative Thoracotomy in the Combat or Operational Environment. *Military Medicine*, 183(suppl\_2), 92–97. <https://doi.org/10.1093/milmed/usy117> **Open Access**
- Nandhabalan, P., Ioannou, N., Meadows, C., & Wyncoll, D. (2018). Refractory septic shock: our pragmatic approach. *Critical Care*, 22(1), 215. <https://doi.org/10.1186/s13054-018-2144-4> **Open Access**
- Parker-Cote, J., & Meggs, W. (2018). First Aid and Pre-Hospital Management of Venomous Snakebites. *Tropical Medicine and Infectious Disease*, 3(2), 45. <https://doi.org/10.3390/tropicalmed3020045> **Open Access**
- Parmar, K. K., Ho, K. M., & Bowles, T. (2018). Delay in clearing cervical spine injuries in obtunded trauma patients and its implications. *Trauma*, 20(4), 273–280. <https://doi.org/10.1177/1460408617714821>
- Persson, A.-C., Engström, Å., Burström, O., & Juuso, P. (2018). Specialist ambulance nurses' experiences of births before arrival. *International Emergency Nursing*. <https://doi.org/10.1016/j.ienj.2018.08.002>

Rauch, S., Dal Cappello, T., Strapazzon, G., Palma, M., Bonsante, F., Gruber, E., ... International Alpine Trauma Registry Study Group. (2018). Pre-hospital times and clinical characteristics of severe trauma patients: A comparison between mountain and urban/suburban areas. *The American Journal of Emergency Medicine*, 36(10), 1749–1753. <https://doi.org/10.1016/j.ajem.2018.01.068>

Ray, B. R., Lowder, E. M., Kivisto, A. J., Phalen, P., & Gil, H. (2018). EMS naloxone administration as non-fatal opioid overdose surveillance: 6-year outcomes in Marion County, Indiana. *Addiction*. <https://doi.org/10.1111/add.14426>  
**Open Access**

Swinton, P., Corfield, A. R., Moultrie, C., Percival, D., Proctor, J., Sinclair, N., & Perkins, Z. B. (2018). Impact of drug and equipment preparation on pre-hospital emergency Anaesthesia (PHEA) procedural time, error rate and cognitive load. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), 82. <https://doi.org/10.1186/s13049-018-0549-3> **Open Access**

Waldrop, D. P., McGinley, J. M., Dailey, M. W., & Clemency, B. (2018). Decision-Making in the Moments Before Death: Challenges in Prehospital Care. *Prehospital Emergency Care*, 1–25. <https://doi.org/10.1080/10903127.2018.1518504>

Woodhead, K., & Foex, B. A. (2018). BET 1: In paracetamol overdose, is oral N-acetylcysteine as effective as intravenous N-acetylcysteine? *Emergency Medicine Journal : EMJ*, 35(10), 643–645. <https://doi.org/10.1136/emered-2018-208093.2> **NHS Open Athens**

## Airway Management, Resuscitation & CPR

Request  
an article



To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

Beom, J. H., Kim, M. J., You, J. S., Lee, H. S., Kim, J. H., Park, Y. S., ... Chung, H. S. (2018). Evaluation of the quality of cardiopulmonary resuscitation according to vehicle driving pattern, using a virtual reality ambulance driving system: a prospective, cross-over, randomised study. *BMJ Open*, 8(9), e023784. <https://doi.org/10.1136/bmjopen-2018-023784> **Open Access**

Bürger, A., Wnent, J., Bohn, A., Jantzen, T., Brenner, S., Lefering, R., ... Fischer, M. (2018). The effect of ambulance response time on survival following out-of-hospital cardiac arrest. *Deutsches Aerzteblatt Online*. <https://doi.org/10.3238/arztebl.2018.0541> **Open Access**

Coggins, A., Nottingham, C., Chin, M., Warburton, S., Han, M., Murphy, M., ... Moore, N. (2018). A prospective evaluation of the 'C.O.A.C.H.E.D.' cognitive aid for emergency defibrillation. *Australasian Emergency Care*, 21(3), 81–86. <https://doi.org/10.1016/j.auec.2018.08.002>

Druwé, P., Monsieurs, K. G., Piers, R., Gagg, J., Nakahara, S., Alpert, E. A., ... Benoit, D. D. (2018). Perception of inappropriate cardiopulmonary resuscitation by clinicians working in emergency departments and ambulance services: The REAPPROPRIATE international, multi-centre, cross sectional survey. *Resuscitation*, 132, 112–119. <https://doi.org/10.1016/j.resuscitation.2018.09.006>

El-Assaad, I., Al-Kindi, S. G., McNally, B., Vellano, K., Worley, S., Tang, A. S., & Aziz, P. F. (2018). Automated External Defibrillator Application Before EMS Arrival in Pediatric Cardiac Arrests. *Pediatrics*, 142(4), e20171903. <https://doi.org/10.1542/peds.2017-1903>

Gregers, E., Kjærgaard, J., Lippert, F., Thomsen, J. H., Køber, L., Wanscher, M., ... Sjøholm, H. (2018). Refractory out-of-hospital cardiac arrest with ongoing cardiopulmonary resuscitation at hospital arrival – survival and neurological outcome without extracorporeal cardiopulmonary resuscitation. *Critical Care*, 22(1), 242. <https://doi.org/10.1186/s13054-018-2176-9> **Open Access**

*Prehospital Emergency Services Current Awareness Update – Issue 63, September 2018*

Hasselager, A., Østergaard, D., Kristensen, T., Sønderskov, C., Bohnstedt, C., Lauritsen, T. L. B., ... Tolsgaard, M. G. (2018). Assessment of laypersons' paediatric basic life support and foreign body airway obstruction management skills: a validity study. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), 73. <https://doi.org/10.1186/s13049-018-0544-8> **Open Access**

Lipowicz, A. A., Cheskes, S., Gray, S. H., Jeejeebhoy, F., Lee, J., Scales, D. C., ... Chan, T. (2018). Incidence, outcomes and guideline compliance of out-of-hospital maternal cardiac arrest resuscitations: A population-based cohort study. *Resuscitation*, 132, 127–132. <https://doi.org/10.1016/j.resuscitation.2018.09.003>

Lundsgaard, R. S., & Lundsgaard, K. S. (2018). Cardiac arrest teams perspectives on communication and ethical conflicts related to awareness during CPR, a focus group study protocol. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), 85. <https://doi.org/10.1186/s13049-018-0550-x> **Open Access**

Nas, J., Thannhauser, J., Herrmann, J. J., van der Wulp, K., van Grunsven, P. M., van Royen, N., ... Brouwer, M. A. (2018). Changes in automated external defibrillator use and survival after out-of-hospital cardiac arrest in the Nijmegen area. *Netherlands Heart Journal*. <https://doi.org/10.1007/s12471-018-1162-9> **Open Access**

Otani, H., Sagisaka, R., Tanaka, H., Takyu, H., Hara, T., Shirakawa, T., ... Maki, A. (2018). The influence of excluding patients with bystander return of spontaneous circulation in the current OHCA database. *International Journal of Emergency Medicine*, 11(1), 37. <https://doi.org/10.1186/s12245-018-0197-4> **Open Access**

Scholefield, B. R., Silverstein, F. S., Telford, R., Holubkov, R., Slomine, B. S., Meert, K. L., ... Moler, F. W. (2018). Therapeutic Hypothermia after Paediatric Cardiac Arrest: Pooled Randomized Controlled Trials. *Resuscitation*, 0(0). <https://doi.org/10.1016/j.resuscitation.2018.09.011>

Takeuchi, Nagasawa, H., Jitsuiki, K., Kondo, A., Ohsaka, H., & Yanagawa, Y. (2018). Impact of automated external defibrillator as a recent innovation for the resuscitation of cardiac arrest patients in an Urban City of Japan. *Journal of Emergencies, Trauma, and Shock*, 11(3), 217. <http://www.onlinejets.org/article.asp?issn=0974-2700;year=2018;volume=11;issue=3;page=217;epage=220;aulast=Takeuchi> **Open Access**

Welbourn, C., & Efstathiou, N. (2018). How does the length of cardiopulmonary resuscitation affect brain damage in patients surviving cardiac arrest? A systematic review. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), 77. <https://doi.org/10.1186/s13049-018-0476-3> **Open Access**

White, L., Melhuish, T., Holyoak, R., Ryan, T., Kempton, H., & Vlok, R. (2018). Advanced airway management in out of hospital cardiac arrest: A systematic review and meta-analysis. *The American Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.ajem.2018.09.045>

Yoshida, M., Yoshida, T., Masui, Y., Fujitani, S., Taira, Y., Kitamura, N., ... Morimura, N. (2018). Association Between Therapeutic Hypothermia and Outcomes in Patients with Non-shockable Out-of-Hospital Cardiac Arrest Developed After Emergency Medical Service Arrival (SOS-KANTO 2012 Analysis Report). *Neurocritical Care*. <https://doi.org/10.1007/s12028-018-0611-z>

Zègre-Hemsey, J. K., Bogle, B., Cunningham, C. J., Snyder, K., & Rosamond, W. (2018). Delivery of Automated External Defibrillators (AED) by Drones: Implications for Emergency Cardiac Care. *Current Cardiovascular Risk Reports*, 12(11), 25. <https://doi.org/10.1007/s12170-018-0589-2>

### How to contact your Library Service

Service	Contact	Services Offered
North East Ambulance Service	eMail: <a href="mailto:Matt.Holland@nwas.nhs.uk">Matt.Holland@nwas.nhs.uk</a> Link to: <a href="#">Library Website</a>	Document Supply; Searches; Current Awareness; Guides & Help;

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>	Document Supply; Searches; Current Awareness; Guides & Help;
East Midland Ambulance Service	eMail: <a href="mailto:Matt.Holland@nwas.nhs.uk">Matt.Holland@nwas.nhs.uk</a> Link to: <a href="#">Library Website</a>	Document Supply; Searches; Current Awareness; Guides & Help;
Yorkshire Ambulance Service	eMail: <a href="mailto:Matt.Holland@nwas.nhs.uk">Matt.Holland@nwas.nhs.uk</a> Link to: <a href="#">Library Website</a>	Document Supply; Searches; Current Awareness; Guides & Help;
South Central Ambulance Service	eMail: <a href="mailto:Matt.Holland@nwas.nhs.uk">Matt.Holland@nwas.nhs.uk</a> Link to: <a href="#">Library Website</a>	Document Supply; Searches; Current Awareness; Guides & Help;
South Western Ambulance Service	eMail: <a href="mailto:library.mailbox@nhs.net">library.mailbox@nhs.net</a> Link to: <a href="http://discoverylibrary.org/SWASFT">http://discoverylibrary.org/SWASFT</a>	Document Supply; Searches; Current Awareness; Guides & Help;
East of England Ambulance Service	eMail: <a href="mailto:Matt.Holland@nwas.nhs.uk">Matt.Holland@nwas.nhs.uk</a> Link to: <a href="#">Library Website</a>	Document Supply; Searches; Current Awareness; Guides & Help;
West Midlands Ambulance Service	eMail: <a href="mailto:Matt.Holland@nwas.nhs.uk">Matt.Holland@nwas.nhs.uk</a> Link to: <a href="#">Library Website</a>	eMail: <a href="mailto:Matt.Holland@nwas.nhs.uk">Matt.Holland@nwas.nhs.uk</a> Link to: <a href="#">Library Website</a>
South East Coast Ambulance Service	To be confirmed.	Outreach Library Service; Membership of local NHS Library.
Isle of Wight	eMail: <a href="mailto:library@iow.nhs.uk">library@iow.nhs.uk</a> Link to: <a href="#">Library Website</a>	Full library membership of the Oliveira Library.
London Ambulance Service	eMail: <a href="mailto:CARU.Administrator@lond-amb.nhs.uk">CARU.Administrator@lond-amb.nhs.uk</a>	Document Supply, Research

## Feedback to

### **Matt Holland, LKS ASE Librarian**

(on behalf of the National Ambulance Research Steering Group)

Email: [Matt.Holland@nwas.nhs.uk](mailto:Matt.Holland@nwas.nhs.uk)

*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.*