



Welcome to **October 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 LKS ASE or your local library services.

## Welcome to the October Issue

### 999EMS Research Forum Conference

999EMS Research Forum conference, 1-2 April 2019 at the Hilton Metropole Birmingham. Register at <https://www.eventbrite.co.uk/e/999ems-research-forum-2019-advancing-patient-care-taking-research-to-the-front-line-tickets-51765722670>

1. APRIL - Pre-conference workshops / Focus group and networking / Drinks reception and pre-conference dinner
2. APRIL - Five keynote presentations / Peer reviewed presentations / Moderated poster session / Prize awards

Submit an abstract on your research for a chance to win a prize. First prize is £1,000 and an opportunity to present at the Paramedics Australasia International Conference. Deadline for submission is Friday 14 December 2018 and submission and guidance form can be downloaded here.

For more information on how to register visit <http://www.999emsresearch.co.uk/en/Conference2019.htm> or contact us at [999emsresearchforum@swansea.ac.uk](mailto:999emsresearchforum@swansea.ac.uk) or 01792 602003.

## 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.

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*, 1–8. <https://doi.org/10.1080/10903127.2018.1525456> **Open Access**

Bekelis, K., Missios, S., Coy, S., Mayerson, B., & MacKenzie, T. A. (2018). Emergency medical services for acute ischemic stroke: Hub-and-spoke model versus exclusive care in comprehensive centers. *Journal of Clinical Neuroscience*. <https://doi.org/10.1016/j.jocn.2018.10.031>

Caffrey, S. M., Barnes, L. C., & Olvera, D. J. (2018). Joint Position Statement on Degree Requirements for Paramedics. *Prehospital Emergency Care*, 1–4. <https://doi.org/10.1080/10903127.2018.1519006>

Defining Quality in EMS. Position Statement. (2018). *Prehospital Emergency Care*, 22(6), 782–783. <https://doi.org/10.1080/10903127.2018.1448495>

Farhadloo, R., Goodarzi Far, J., Azadeh, M. R., Shams, S., & Parvaresh-Masoud, M. (2018). Evaluation of Bacterial Contamination on Prehospital Ambulances Before and After Disinfection. *Prehospital and Disaster Medicine*, 1–5. <https://doi.org/10.1017/S1049023X1800095X>

Hashmi, Z. G., Jarman, M. P., Uribe-Leitz, T., Goralnick, E., Newgard, C. D., Salim, A., ... Haider, A. H. (2018). Access Delayed Is Access Denied: Relationship Between Access to Trauma Center Care and Pre-Hospital Death. *Journal of the American College of Surgeons*. <https://doi.org/10.1016/j.jamcollsurg.2018.09.015>

Igarashi, Y., Yokobori, S., Yamana, H., Nagakura, K., Hagiwara, J., Masuno, T., & Yokota, H. (2018). Overview of doctor-staffed ambulance use in Japan: a nationwide survey and 1-week study. *Acute Medicine & Surgery*, 5(4), 316–320. <https://doi.org/10.1002/ams2.347> **Open Access**

Jalali, N., Carter, C., Alfaraj, S., Moghtaderi, A., & Pines, J. M. (2018). Trends and Predictors of Retweets in Free Open Access Medical Education (# FOAM ed) on Twitter (2013-7). *Academic Emergency Medicine*, acem.13646. <https://doi.org/10.1111/acem.13646>

Leikkola, P., Mikkola, R., Salminen-Tuomaala, M., & Paavilainen, E. (2018). Emergency Patients' and Family Members' Experiences of Nonconveyance Situations and Counseling Received From Care Providers. *Advanced Emergency Nursing Journal*, 40(4), 312–323. <https://doi.org/10.1097/TME.000000000000213>

Li, H.-X., Xue, F.-S., Liu, Y.-Y., Yang, G.-Z., & Xue, F.-S. (2018). Comparing Performance of Airtraq Versus Macintosh Laryngoscope for Pediatric Intubation by Novices. *Pediatric Emergency Care*, 34(10), e196. <https://doi.org/10.1097/PEC.0000000000001631>

Maguire, B. J., Browne, M., O'Neill, B. J., Dealy, M. T., Clare, D., & O'Meara, P. (2018). International Survey of Violence Against EMS Personnel: Physical Violence Report. *Prehospital and Disaster Medicine*, 33(5), 526–531. <https://doi.org/10.1017/S1049023X18000870>

McCaul, M., Clarke, M., Bruijns, S. R., Hodkinson, P. W., de Waal, B., Pigoga, J., ... Young, T. (2018). Global emergency care clinical practice guidelines: A landscape analysis. *African Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.afjem.2018.09.002>

Mendes, A. (2018). Clinical skills in paramedic practice. *Journal of Paramedic Practice*, 10(11), 461–461. Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108993;article=pp\\_10\\_11\\_461](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108993;article=pp_10_11_461)

Reilly, P. L., Khan, T., & Iqbal, W. (2018). A survey of prehospital and acute hospital care in three low and middle income countries. *Journal of Clinical Neuroscience*. <https://doi.org/10.1016/j.jocn.2018.10.030>

Ross, L. J., Jennings, P. A., Gosling, C. M., & Williams, B. (2018). Experiential education enhancing paramedic perspective and interpersonal communication with older patients: a controlled study. *BMC Medical Education*, 18(1), 239. <https://doi.org/10.1186/s12909-018-1341-9> **Open Access**

Schell, C. O., Gerdin Wärnberg, M., Hvarfner, A., Höög, A., Baker, U., Castegren, M., & Baker, T. (2018). The global need for essential emergency and critical care. *Critical Care*, 22(1), 284. <https://doi.org/10.1186/s13054-018-2219-2> **Open Access**

Seblova, J., Cimpoesu, D., Khoury, A., Revue, E., & Trenkler, S. (2018). Prehospital emergency care systems in Europe – EuSEM prehospital section survey 2016. *European Journal of Emergency Medicine*, 25(6), 446–447. <https://doi.org/10.1097/MEJ.0000000000000553>

Sinclair, J. E., Austin, M. A., Bourque, C., Kortko, J., Maloney, J., Dionne, R., ... Calder, L. A. (2018). Barriers to Self-Reporting Patient Safety Incidents by Paramedics: A Mixed Methods Study. *Prehospital Emergency Care*, 22(6), 762–772. <https://doi.org/10.1080/10903127.2018.1469703>

Soeyland, T., Garner, A., Vidler, S., Gutierrez, C. H., Foster, A., & Kitcher, J. (2018). Predrawn prehospital medications are microbiologically safe for up to 48 hours. *Emergency Medicine Journal* : EMJ. <https://emj.bmj.com/content/early/2018/10/20/emered-2018-207864> **NHS OpenAthens**

Stuhlmiller, D. F., Clark, J. R., Caffrey, S., Betterton, M., Nollette, C., & Raynovich, W. (2018). NAEMSE Position Paper on the Critical Care Paramedic. *Prehospital Emergency Care*, 1–5. <https://doi.org/10.1080/10903127.2018.1536772>

Tiruneh, A., Siman-Tov, M., Radomislensky, I., & Peleg, K. (2018). Are injury admissions on weekends and weeknights different from weekday admissions? *European Journal of Trauma and Emergency Surgery*. <https://doi.org/10.1007/s00068-018-1022-8>

Vloet, L. C. M., de Kreek, A., van der Linden, E. M. C., van Spijk, J. J. A., Theunissen, V. A. H., van Wanrooij, M., ... Ebben, R. H. A. (2018). A retrospective comparison between non-conveyed and conveyed patients in ambulance care. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), 91. <https://doi.org/10.1186/s13049-018-0557-3> **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*, 1–8. <https://doi.org/10.1080/10903127.2018.1518504>

## 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.

Barata, I., Auerbach, M., Badaki-Makun, O., Benjamin, L., Joseph, M. M., Lee, M. O., ... Denninghoff, K. R. (2018). A Research Agenda to Advance Pediatric Emergency Care Through Enhanced Collaboration Across Emergency Departments. *Academic Emergency Medicine*, acem.13642. <https://doi.org/10.1111/acem.13642>

Crewdson, K., Rehn, M., & Lockey, D. (2018). Airway management in pre-hospital critical care: a review of the evidence for a 'top five' research priority. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), 89. <https://doi.org/10.1186/s13049-018-0556-4> **Open Access**

Gross, M. L. (2018). Military medical research in Britain and the USA: the challenge of informed consent. *Journal of the Royal Army Medical Corps*, jramc-2018-001023. <https://doi.org/10.1136/jramc-2018-001023>

Stratton, S. J. (2018). The Hennepin Ketamine Study. *Prehospital and Disaster Medicine*, 33(5), 457–458. <https://doi.org/10.1017/S1049023X18000924> **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.

David, J., & Bouzat, P. (2018). Prehospital Plasma during Air Medical Transport in Trauma Patients. *New England Journal of Medicine*, 379(18), 1783–1783. <https://doi.org/10.1056/NEJMc1811315> **Open Access**

Laatz, D., Welzel, T., & Stassen, W. (2018). Developing a South African Helicopter Emergency Medical Service Activation Screen (SAHAS): A Delphi study. *African Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.afjem.2018.09.001> **Open Access**

Lauria, M. J., Ghobrial, M. K., & Hicks, C. M. (2018). Force of Habit: Developing Situation Awareness in Critical Care Transport. *Air Medical Journal*, 0(0). <https://doi.org/10.1016/j.amj.2018.09.007>

Moors, X. R. J., Bouman, S. J. M., Peters, J. H., Smulders, P., Alink, M. B. O., Hartog, D. Den, & Stolker, R. J. (2018). Prehospital Blood Transfusions in Pediatric Patients by a Helicopter Emergency Medical Service. *Air Medical Journal*, 37(5), 321–324. <https://doi.org/10.1016/j.amj.2018.05.008>

Patterson, P. D., Moore, C. G., Guyette, F. X., Doman, J. M., Weaver, M. D., Sequeira, D. J., ... Buysse, D. J. (2018). Real-Time Fatigue Mitigation with Air-Medical Personnel: The SleepTrackTXT2 Randomized Trial. *Prehospital Emergency Care*, 1–14. <https://doi.org/10.1080/10903127.2018.1532476>

Ultrasound in the Air Medical Environment. (2018). *Air Medical Journal*, 0(0). <https://doi.org/10.1016/j.amj.2018.09.003>

## 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>

Anroedh, S. S., Kardys, I., Akkerhuis, K. M., Biekart, M., van der Hulst, B., Deddens, G. J., ... Boersma, E. (2018). e-Transmission of ECGs for expert consultation results in improved triage and treatment of patients with acute ischaemic chest pain by ambulance paramedics. *Netherlands Heart Journal*, 26(11), 562–571. <https://doi.org/10.1007/s12471-018-1187-0> **Open Access**

- Benoit, J. L., Khatri, P., Adeoye, O. M., Broderick, J. P., McMullan, J. T., Scheitz, J. F., ... Eckman, M. H. (2018). Prehospital Triage of Acute Ischemic Stroke Patients to an Intravenous tPA-Ready versus Endovascular-Ready Hospital: A Decision Analysis. *Prehospital Emergency Care*, 22(6), 722–733. <https://doi.org/10.1080/10903127.2018.1465500>
- Borrelli, G., Koch, E., Sterk, E., Lovett, S., & Rech, M. A. (2018). Early recognition of sepsis through emergency medical services pre-hospital screening. *The American Journal of Emergency Medicine*. <https://doi.org/10.1016/j.ajem.2018.10.036>
- Curry, S. J., Krist, A. H., Owens, D. K., Barry, M. J., Caughey, A. B., Davidson, K. W., ... Wong, J. B. (2018). Screening for Intimate Partner Violence, Elder Abuse, and Abuse of Vulnerable Adults. *JAMA*, 320(16), 1678. <https://doi.org/10.1001/jama.2018.14741> **Open Access**
- Hewes, H. A., Ely, M., Richards, R., Shah, M. I., Busch, S., Pilkey, D., ... Olson, L. M. (2018). Ready for Children: Assessing Pediatric Care Coordination and Psychomotor Skills Evaluation in the Prehospital Setting. *Prehospital Emergency Care*, 1–25. <https://doi.org/10.1080/10903127.2018.1542472>
- Hobson, M. (2018). Rapid recognition tools for subarachnoid haemorrhage. *Journal of Paramedic Practice*, 10(11), 494–495. Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=109000;article=pp\\_10\\_11\\_494](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=109000;article=pp_10_11_494)
- Johnston, F. H., Salimi, F., Williamson, G. J., Henderson, S. B., Yao, J., Dennekamp, M., ... Morgan, G. G. (2018). Ambient particulate matter and paramedic assessments of acute diabetic, cardiovascular, respiratory conditions. *Epidemiology*, 1. <https://doi.org/10.1097/EDE.0000000000000929>
- Kim, D., You, S., So, S., Lee, J., Yook, S., Jang, D. P., ... Park, H.-K. (2018). A data-driven artificial intelligence model for remote triage in the prehospital environment. *PLOS ONE*, 13(10), e0206006. <https://doi.org/10.1371/journal.pone.0206006> **Open Access**
- Kirk, A. (2018). Correct pulse measurement. *Journal of Paramedic Practice*, 10(11), 488–490. Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108997;article=pp\\_10\\_11\\_488](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108997;article=pp_10_11_488)
- Magnusson, C., Herlitz, J., Karlsson, T., & Axelsson, C. (2018). Initial assessment, level of care and outcome among children who were seen by emergency medical services: a prospective observational study. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), 88. <https://doi.org/10.1186/s13049-018-0560-8> **Open Access**
- Matsuyama, T., Morita, S., Ebara, N., Miyamae, N., Okada, Y., Jo, T., ... Ohta, B. (2018). Characteristics and outcomes of accidental hypothermia in Japan: the J-Point registry. *Emergency Medicine Journal : EMJ*, 35(11), 659–666. <https://doi.org/10.1136/emered-2017-207238> **NHS OpenAthens**
- Mould-Millman, N.-K., Meese, H., Alattas, I., Ido, M., Yi, I., Oyewumi, T., ... Yancey, A. (2018). Accuracy of Prehospital Identification of Stroke in a Large Stroke Belt Municipality. *Prehospital Emergency Care*, 22(6), 734–742. <https://doi.org/10.1080/10903127.2018.1447620>
- Moy, R., & Wright, C. (2018). Ketamine for military prehospital analgesia and sedation in combat casualties. *Journal of the Royal Army Medical Corps*, 164(6), 436–437. <https://doi.org/10.1136/jramc-2018-000910>
- Navarro-Patón, R., Freire-Tellado, M., Fernández-González, N., Camiño, S. B., Lorenzo, J. M., & Ballesteros, J. L. (2018). What is the best position to place and re-evaluate an unconscious but normally breathing victim? A randomised controlled human simulation trial on children. *Resuscitation*, 0(0). <https://doi.org/10.1016/j.resuscitation.2018.10.030>

Pimentel, M. A. F., Redfern, O. C., Gerry, S., Collins, G. S., Malycha, J., Prytherch, D., ... Watkinson, P. J. (2018). A comparison of the ability of the National Early Warning Score and the National Early Warning Score 2 to identify patients at risk of in-hospital mortality: A multi-centre database study. *Resuscitation*, 0(0). <https://doi.org/10.1016/j.resuscitation.2018.09.026> **Open Access**

Shu, E., Ives Tallman, C., Frye, W., Boyajian, J. G., Farshidpour, L., Young, M., & Campagne, D. (2018). Pre-hospital qSOFA as a predictor of sepsis and mortality. *The American Journal of Emergency Medicine*. <https://doi.org/10.1016/j.ajem.2018.09.025>

Wolf, L. A., Delao, A. M., Perhats, C., Clark, P. R., Moon, M. D., Zavotsky, K. E., & Martinovich, Z. (2018). Emergency Nurses' Perceptions of Risk for Firearm Injury and Its Effect on Assessment Practices: A Mixed Methods Study. *Journal of Emergency Nursing*, 0(0). <https://doi.org/10.1016/j.jen.2018.09.010>

## 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.

### Children

Lerner, E. B., Studnek, J. R., Fumo, N., Banerjee, A., Arapi, I., Browne, L. R., ... Shah, M. I. (2018). Multicenter Analysis of Transport Destinations For **Pediatric Prehospital Patients**. *Academic Emergency Medicine*, acem.13641. <https://doi.org/10.1111/acem.13641>

Lillitos, P. J., Lyttle, M. D., Roland, D., Powell, C. V., Sandell, J., Rowland, A. G., ... PERUKI and GAPRUKI. (2018). Defining significant **childhood** illness and injury in the Emergency Department: a consensus of UK and Ireland expert opinion. *Emergency Medicine Journal : EMJ*, 35(11), 685–690. <https://doi.org/10.1136/emered-2018-207802> **NHS OpenAthens**

Quiñones, C., Shah, M. I., Cruz, A. T., Graf, J. M., Mondragon, J. A., Camp, E. A., ... Sampayo, E. M. (2018). Determinants of Pediatric EMS Utilization in **Children** with High-Acuity Conditions. *Prehospital Emergency Care*, 22(6), 676–690. <https://doi.org/10.1080/10903127.2018.1445330>

Ramgopal, S., Owusu-Ansah, S., & Martin-Gill, C. (2018). Factors associated with **pediatric** non-transport in a large EMS system. *Academic Emergency Medicine*. <https://doi.org/10.1111/acem.13652>

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>

### Elderly

Paal, P., & Rauch, S. (2018). Indoor accidental hypothermia in **the elderly**: an emerging lethal entity in the 21st century. *Emergency Medicine Journal : EMJ*, 35(11), 667–668. <https://doi.org/10.1136/emered-2018-207804> **NHS OpenAthens**

### Conditions

Bartolacci, J., Goldstein, J., Kiberd, B., Swain, J., Vinson, A., Clark, D., & Tennankore, K. K. (2018). Burden of Emergency Medical Services Usage by **Dialysis Patients**. *Prehospital Emergency Care*, 22(6), 698–704. <https://doi.org/10.1080/10903127.2018.1454558>

Benoit, S. R., Kahn, H. S., Geller, A. I., Budnitz, D. S., Mann, N. C., Dai, M., ... Geiss, L. S. (2018). **Diabetes**-Related Emergency Medical Service Activations in 23 States, United States 2015. *Prehospital Emergency Care*, 22(6), 705–712. <https://doi.org/10.1080/10903127.2018.1456582>

*Prehospital Emergency Services Current Awareness Update – Issue 64, October 2018*



Chennapan, K., Mullinax, S., Anderson, E., Landau, M. J., Nordstrom, K., Seupaul, R. A., & Wilson, M. P. (2018). Medical Screening of **Mental Health Patients** in the Emergency Department: A Systematic Review. *The Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.jemermed.2018.09.014>

Rees, N., Porter, A., Rapport, F., Hughes, S., & John, A. (2018). Paramedics' perceptions of the care they provide to **people who self-harm**: A qualitative study using evolved grounded theory methodology. *PLOS ONE*, 13(10), e0205813. <https://doi.org/10.1371/journal.pone.0205813> **Open Access**

## 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.

Ali, S., Moodley, A., Bhattacharjee, A., Chang, E., Kabaroff, A., Lobay, K., & Allain, D. (2018). Prehospital dexamethasone administration in children with croup: a medical record review. *Open Access Emergency Medicine*, Volume 10, 141–147. <https://doi.org/10.2147/OAEM.S168728> **Open Access**

Amir, S., Maya, S.-T., Irina, R., Kobi, P., Yoram, K., Elon, G., ... ITG. (2018). The Impact of Pre Hospital Administration of Freeze Dried Plasma on Casualty Outcome. *Journal of Trauma and Acute Care Surgery*, 1. <https://doi.org/10.1097/TA.0000000000002094>

Bakhsh, A., & Ritchie, M. (2018). Video Laryngoscopy vs. Direct Laryngoscopy. *Academic Emergency Medicine*, acem.13627. <https://doi.org/10.1111/acem.13627>

Bond, R. (2018). Tourniquets in the treatment of prehospital haemorrhage. *Journal of Paramedic Practice*, 10(11), 477–487. Retrieved from [http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108996;article=pp\\_10\\_11\\_477](http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108996;article=pp_10_11_477)

Brommeland, T., Helseth, E., Aarhus, M., Moen, K. G., Dyrskog, S., Bergholt, B., ... Jeppesen, E. (2018). Best practice guidelines for blunt cerebrovascular injury (BCVI). *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), 90. <https://doi.org/10.1186/s13049-018-0559-1> **Open Access**

Dida, J., & Walji, N. (2018). BET 1: Haloperidol in cannabinoid hyperemesis syndrome. *Emergency Medicine Journal : EMJ*, 35(11), 711–712. <https://doi.org/10.1136/emered-2018-208170.1> **NHS OpenAthens**

Fischer, P. E., Perina, D. G., Delbridge, T. R., Fallat, M. E., Salomone, J. P., Dodd, J., ... Gestring, M. L. (2018). Spinal Motion Restriction in the Trauma Patient – A Joint Position Statement. *Prehospital Emergency Care*, 22(6), 659–661. <https://doi.org/10.1080/10903127.2018.1481476> **Open Access**

Fitzgibbon, J. B., Lovallo, E., Escajeda, J., Radomski, M. A., & Martin-Gill, C. (2018). Feasibility of Out-of-Hospital Cardiac Arrest Ultrasound by EMS Physicians. *Prehospital Emergency Care*, 1–7. <https://doi.org/10.1080/10903127.2018.1518505>

Freeman, S., Deakin, C. D., Nelson, M. J., & Bootland, D. (2018). Managing accidental hypothermia: a UK-wide survey of prehospital and search and rescue providers. *Emergency Medicine Journal : EMJ*, 35(11), 652–656. <https://doi.org/10.1136/emered-2017-207178> **NHS OpenAthens**

Gordon, L., & Paal, P. (2018). Managing accidental hypothermia: progress but still some way to go. *Emergency Medicine Journal : EMJ*, 35(11), 657–658. <https://doi.org/10.1136/emered-2018-207898> **NHS OpenAthens**

- Hill, G. J., April, M. D., Maddry, J. K., & Schauer, S. G. (2018). Prehospital ketamine administration to pediatric trauma patients with head injuries in combat theaters. *The American Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.ajem.2018.10.046>
- Ho, A. M.-H., Ho, A. K., & Mizubuti, G. B. (2018). Tracheal Intubation: The Proof is in the Bevel. *The Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.jemermed.2018.09.001>
- Kaufmann, M. A., Nelson, D. R., Kaushik, P., Mann, N. C., & Mitchell, B. (2018). Hypoglycemia Emergencies: Factors Associated with Prehospital Care, Transportation Status, Emergency Department Disposition, and Cost. *Prehospital Emergency Care*, 1–12. <https://doi.org/10.1080/10903127.2018.1528322> **Open Access**
- Kranc, D., Jones, A., Nackenson, J., Davis, C., Abo, B., & Hawkins, S. (2018). Use of Ultrasound for Joint Dislocation Reduction in an Austere Wilderness Setting: A Case Report. *Prehospital Emergency Care*, 1–14. <https://doi.org/10.1080/10903127.2018.1532474>
- Moy, R., & Wright, C. (2018). Ketamine for military prehospital analgesia and sedation in combat casualties. *Journal of the Royal Army Medical Corps*, 164(6), 436–437. <https://doi.org/10.1136/jramc-2018-000910>
- Özdoğan, S., Gökçek, Ö., Katırcı, Y., Çorbacioğlu, Ş. K., Emektar, E., & Çevik, Y. (2018). The effects of spinal immobilization at 20° on intracranial pressure. *The American Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.ajem.2018.10.010>
- Page, C. B., Parker, L. E., Rashford, S. J., Bosley, E., Isoardi, K. Z., Williamson, F. E., & Isbister, G. K. (2018). A Prospective Before and After Study of Droperidol for Prehospital Acute Behavioral Disturbance. *Prehospital Emergency Care*, 22(6), 713–721. <https://doi.org/10.1080/10903127.2018.1445329>
- Page, C. B., Parker, L. E., Rashford, S. J., Isoardi, K. Z., & Isbister, G. K. (2018). A Prospective Study of the Safety and Effectiveness of Droperidol in Children for Prehospital Acute Behavioural Disturbance. *Prehospital Emergency Care*, 1–26. <https://doi.org/10.1080/10903127.2018.1542473>
- Ruelas, O. S., Tschautscher, C. F., Lohse, C. M., & Sztajnkrzyer, M. D. (2018). Analysis of Prehospital Scene Times and Interventions on Mortality Outcomes in a National Cohort of Penetrating and Blunt Trauma Patients. *Prehospital Emergency Care*, 22(6), 691–697. <https://doi.org/10.1080/10903127.2018.1448494>
- Sanghvi, S., Podlog, M., & Aycok, R. D. (2018). Does the Severe Sepsis and Septic Shock Early Management Bundle (SEP-1) Improve Survival in Septic Adults? *Annals of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.annemergmed.2018.09.009>
- Smith, A. A., Ochoa, J. E., Wong, S., Beatty, S., Elder, J., Guidry, C., ... Schroll, R. (2018). Pre-hospital tourniquet use in penetrating extremity trauma. *Journal of Trauma and Acute Care Surgery*, 1. <https://doi.org/10.1097/TA.0000000000002095>
- Suzuki, K., Nakajima, N., Kunimoto, K., Hatake, S., Sakamoto, Y., Hokama, H., ... Kimura, K. (2018). Emergent Large Vessel Occlusion Screen Is an Ideal Prehospital Scale to Avoid Missing Endovascular Therapy in Acute Stroke. *Stroke*, 49(9), 2096–2101. <https://doi.org/10.1161/STROKEAHA.118.022107>
- Tonglet, M. L., Swerts, F., Mathonet, P. Y., Moens, D., D’Orio, V., & Ghuyssen, A. (2018). Pre-hospital transfusion of red blood cells in civilian trauma patients: what’s next? [Letter] *Transfusion Medicine*. <https://doi.org/10.1111/tme.12564>

## 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.

- Baldry, S. L., & Fouche, P. F. (2018). Impact of loading and ambulance transport on cardiopulmonary resuscitation quality. *Emergency Medicine Australasia*. <https://doi.org/10.1111/1742-6723.13191>
- Bergström, M., Schmidbauer, S., Herlitz, J., Rawshani, A., & Friberg, H. (2018). Pulseless electrical activity is associated with improved survival in out-of-hospital cardiac arrest with initial non-shockable rhythm. *Resuscitation*, 133, 147–152. <https://doi.org/10.1016/j.resuscitation.2018.10.018>
- Czekajlo, M., Makomaska-Szaroszyk, E., Paprocki, M., Ruetzler, K., & Smereka, J. (2018). The end of the era of endotracheal intubation as the golden standard of airway management. *The American Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.ajem.2018.10.026>
- Delorenzo, A., Nehme, Z., Yates, J., Bernard, S., & Smith, K. (2018). Double sequential external defibrillation for refractory ventricular fibrillation out-of-hospital cardiac arrest: a systematic review and meta-analysis. *Resuscitation*, 0(0). <https://doi.org/10.1016/j.resuscitation.2018.10.025>
- Froats, M., Reed, A., Dionne, R., Maloney, J., Duncan, S., Burns, R., ... Austin, M. (2018). The Safety of Bypass to Percutaneous Coronary Intervention Facility by Basic Life Support Providers in Patients with ST-Elevation Myocardial Infarction in Prehospital Setting. *The Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.jemermed.2018.09.006>
- Goebel, M., Tainter, C., Kahn, C., Dunford, J. V., Serra, J., Pierce, J., & Donofrio, J. J. (2018). An Urban 9-1-1 System's Experience with Left Ventricular Assist Device Patients. *Prehospital Emergency Care*, 1–6. <https://doi.org/10.1080/10903127.2018.1532475>
- Harper, R., Ludwig, J., Morcos, M., & Morris, S. (2018). Myocardial Irritation from a Left Ventricular Assist Device Resulting in Refractory Ventricular Tachycardia. *The Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.jemermed.2018.09.013>
- Khoshnood, A. (2018). High time to omit oxygen therapy in ST elevation myocardial infarction. *BMC Emergency Medicine*, 18(1), 35. <https://doi.org/10.1186/s12873-018-0187-0> **Open Access**
- Kiyohara, K., Nishiyama, C., Kiguchi, T., Kobayashi, D., Iwami, T., & Kitamura, T. (2018). Out-of-hospital cardiac arrests in the toilet in Japan: a population-based descriptive study. *Acute Medicine & Surgery*, 5(4), 369–373. <https://doi.org/10.1002/ams2.349> **Open Access**
- Long, B., & April, M. D. (2018). Do Mechanical Chest Compression Devices Compared With High-Quality Manual Chest Compressions Improve Neurologically Intact Survival of Patients Who Experience Cardiac Arrest? *Annals of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.annemergmed.2018.09.027>
- May, S., Zhang, L., Foley, D., Brennan, E., O'Neil, B., Bork, E., ... Dunne, R. (2018). Improvement in Non-Traumatic, Out-Of-Hospital Cardiac Arrest Survival in Detroit From 2014 to 2016. *Journal of the American Heart Association*, 7(16). <https://doi.org/10.1161/JAHA.118.009831>
- Mody, P., Brown, S. P., Kudenchuk, P. J., Chan, P. S., Khera, R., Ayers, C., ... Idris, A. H. (2018). Intraosseous versus Intravenous access in Patients with Out-of-Hospital Cardiac Arrest: Insights from the Resuscitation Outcomes Consortium Continuous Chest Compression Trial. *Resuscitation*, 0(0). <https://doi.org/10.1016/j.resuscitation.2018.10.031>
- Parsons, I. T., Cox, A. T., & Rees, P. S. C. (2018). Military application of mechanical CPR devices: a pressing requirement? *Journal of the Royal Army Medical Corps*, 164(6), 438–441. <https://doi.org/10.1136/jramc-2018-000908>
- Shi, O., Khan, A. M., Rezai, M. R., Jackevicius, C. A., Cox, J., Atzema, C. L., ... Tu, J. V. (2018). Factors associated with door-in to door-out delays among ST-segment elevation myocardial infarction (STEMI) patients transferred for

primary percutaneous coronary intervention: a population-based cohort study in Ontario, Canada. BMC Cardiovascular Disorders, 18(1), 204. <https://doi.org/10.1186/s12872-018-0940-z> **Open Access**

Smith, C. M., & Yeung, J. (2018). Airway management in cardiac arrest-Not a question of choice but of quality? Resuscitation, 0(0). <https://doi.org/10.1016/j.resuscitation.2018.10.009>

Smith, G., Beger, S., Vadeboncoeur, T., Chikani, V., Walter, F., & Bobrow, B. (2018). Trends in Overdose-Related Out-of-Hospital Cardiac Arrests in Arizona. Resuscitation, 0(0). <https://doi.org/10.1016/j.resuscitation.2018.10.019>

Sondergaard, K. B., Wissenberg, M., Gerds, T. A., Rajan, S., Karlsson, L., Kragholm, K., ... Hansen, S. M. (2018). Bystander cardiopulmonary resuscitation and long-term outcomes in out-of-hospital cardiac arrest according to location of arrest. European Heart Journal. <https://doi.org/10.1093/eurheartj/ehy687>

Song, J., Guo, W., Lu, X., Kang, X., Song, Y., & Gong, D. (2018). The effect of bystander cardiopulmonary resuscitation on the survival of out-of-hospital cardiac arrests: a systematic review and meta-analysis. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 26(1), 86. <https://doi.org/10.1186/s13049-018-0552-8> **Open Access**

Studnek, J. R., Infinger, A., Wilson, H., Niess, G., Jackson, P., & Swanson, D. (2018). Decreased Time from 9-1-1 Call to PCI among Patients Experiencing STEMI Results in a Decreased One Year Mortality. Prehospital Emergency Care, 22(6), 669–675. <https://doi.org/10.1080/10903127.2018.1447621>

Tweed, J., George, T., Greenwell, C., & Vinson, L. (2018). Prehospital Airway Management Examined at Two Pediatric Emergency Centers. Prehospital and Disaster Medicine, 33(5), 532–538. <https://doi.org/10.1017/S1049023X18000882>

Uber, A., Sadler, R. C., Chassee, T., & Reynolds, J. C. (2018). Does Non-Targeted Community CPR Training Increase Bystander CPR Frequency? Prehospital Emergency Care, 22(6), 753–761. <https://doi.org/10.1080/10903127.2018.1459978>

Vassallo, J., Nutbeam, T., Rickard, A. C., Lyttle, M. D., Scholefield, B., Maconochie, I. K., ... PERUKI (Paediatric Emergency Research in the UK and Ireland). (2018). Paediatric traumatic cardiac arrest: the development of an algorithm to guide recognition, management and decisions to terminate resuscitation. Emergency Medicine Journal : EMJ, 35(11), 669–674. <https://doi.org/10.1136/emermed-2018-207739> **NHS OpenAthens**

Vos, N. S., Amoroso, G., Vink, M. A., Maarse, M., Adams, R., Herrman, J.-P. R., ... de Winter, R. J. (2018). Prehospital Prasugrel Versus Ticagrelor in Real-World Patients With ST-Elevation Myocardial Infarction Referred for Primary PCI: Procedural and 30-Day Outcomes. The Journal of Invasive Cardiology. Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/30318484> **Open Access**

Wang, T.-H., Lin, H.-A., Kao, W.-F., & Chao, C.-C. (2018). Locational effect on automated external defibrillator use and association of age with on-site return of spontaneous circulation. The American Journal of Emergency Medicine, 0(0). <https://doi.org/10.1016/j.ajem.2018.10.043>

Zhang, X., Zhang, W., Wang, C., Tao, W., Dou, Q., & Yang, Y. (2018). Chest-compression-only versus conventional cardiopulmonary resuscitation by bystanders for children with out-of-hospital cardiac arrest: a systematic review and meta-analysis. Resuscitation, 0(0). <https://doi.org/10.1016/j.resuscitation.2018.10.032> **Open Access**

### 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.*