

October 2020
COVID19 Issue of
Prehospital Emergency Services Current Awareness Bulletin
With thanks to Matt Holland, LKS ASE Librarian

[Prehospital Practitioners – Professional Issues & PPE](#)
[Patient Groups](#)
[Prehospital Research – Methods and Discussion](#)
[Helicopter Emergency Medical Services \(HEMS\) and Air Medical](#)
[Diagnosis and Triage](#)
[On-Scene Interventions](#)
[Airway Management, Resuscitation & CPR](#)

OPEN ACCESS unless otherwise stated

Anaikatti, P., et al. (2020). Electronic Medical Record Platform Enhancements During COVID-19 to Support Identify-Isolate-Inform (3I) Strategy for Initial Detection and Management of Patients. *Emergency Medicine Australasia*. <https://doi.org/10.1111/1742-6723.13684>

Barycka, K., et al. (2020). Risk of self-contamination among healthcare workers in the COVID-19 pandemic. *The American journal of emergency medicine*.
<https://doi.org/10.1016/j.ajem.2020.09.055>

Cabañas, José G. (2020). COVID-19 Pandemic: The Role of EMS Physicians in a Community Response Effort. *Prehospital emergency care : official journal of the National Association of EMS Physicians and the National Association of State EMS Directors*.
<https://doi.org/10.1080/10903127.2020.1838676>

Cone, D., et al. (2020). Naloxone Use by Emergency Medical Services During the COVID-19 Pandemic: A National Survey. *Journal of addiction medicine*.
https://journals.lww.com/journaladdictionmedicine/Fulltext/2020/12000/Naloxone_Use_by_Emergency_Medical_Services_During.31.aspxhttps://doi.org/10.1097/ADM.000000000000746%20

Dominguez LW, Willis JS. COVID-19 and the Case for Medical Management and Primary Care. *Journal of Primary Care & Community Health*. January 2020.
<http://doi.org/10.1177/2150132720965080>

Fagoni, N., Perone, G., Villa, G. F., Celi, S., Bera, P., Sechi, G. M., Mare, C., Zoli, A., & Botteri, M. (2020). The Lombardy Emergency Medical System Faced with COVID-19: The Impact of Out-of-Hospital Outbreak [research-article].
<https://doi.org/10.1080/10903127.2020.1824051>

Jansen, G., et al . (2020). [Hospital paramedic. An interprofessional blended learning concept to qualify paramedics and medical personnel for deployment in intensive care units and emergency departments during the COVID-19 pandemic]. *Der Anaesthetist*.
<https://doi.org/10.1007/s00101-020-00873-9>

Jensen, T., Holgersen, M. G., Jespersen, M. S., Blomberg, S. N., Folke, F., Lippert, F., & Christensen, H. C. (2020). Strategies to Handle Increased Demand in the COVID-19 Crisis: A Coronavirus EMS Support Track and a Web-Based Self-Triage System [research-article].
<https://doi.org/10.1080/10903127.2020.1817212>

Mulholland, R.H., et al. (2020). Impact of COVID-19 on accident and emergency attendances and emergency and planned hospital admissions in Scotland: an interrupted time-series analysis. *Journal of the Royal Society of Medicine*.
<https://doi.org/10.1177/0141076820962447>

Murphy, D. L., Barnard, L. M., Drucker, C. J., Yang, B. Y., Emert, J. M., Schwarcz, L., Counts, C. R., Jacinto, T. Y., McCoy, A. M., Morgan, T. A., Whitney, J. E., Bodenman, J. V., Duchin, J. S., Sayre, M. R., & Rea, T. D. (2020). Occupational exposures and programmatic response to COVID-19 pandemic: an emergency medical services experience. *Emergency Medicine Journal*. <https://doi.org/10.1136/emermed-2020-210095>

Ng., QX., et al. (2020). Impact of COVID-19 'circuit-breaker' measures on emergency medical services utilisation and out-of-hospital cardiac arrest outcomes in Singapore. *Emergency medicine Australasia : EMA*. <https://doi.org/10.1111/1742-6723.13668>

Ohrling, M., et al. (2020). Management of the emergency response to the SARS-CoV-2 (COVID-19) outbreak in Stockholm, Sweden, and winter preparations. *Journal of primary health care*, 12(3). <https://doi.org/10.1071/HC20082>

Rajasingham, R., et al. (2020). Hydroxychloroquine as pre-exposure prophylaxis for COVID-19 in healthcare workers: a randomized trial. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*. <https://doi.org/10.1093/cid/ciaa1571>

Sahu, A. K. e. a. (2020). COVID-19 in health care workers – A systematic review and meta-analysis. *American Journal of Emergency Medicine*, 38(9), 1727-1731. <https://doi.org/10.1016/j.ajem.2020.05.113>

Şan, İ., et al. (2020). Transport of awake hypoxemic probable COVID 19 patients in the prone position. *The American Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.ajem.2020.10.036>

Schmitz, D., et al. (2020). Association between personal protective equipment and SARS-CoV-2 infection risk in emergency department healthcare workers. *European journal of emergency medicine : official journal of the European Society for Emergency Medicine*. https://journals.lww.com/euro-emergencymed/Abstract/9000/Association_between_personal_protective_equipment.99068.aspx

Strategies for preventing sudden unexpected COVID-19 deaths at home. - Resuscitation, - 106. <https://doi.org/10.1016/j.resuscitation.2020.09.039>

Sycamore, R. (2020). COVID-19 and students from disadvantaged backgrounds [article-commentary]. *Journal of Paramedic Practice*.

[Click here](#) to access fulltext- [SWASFT Athens required \(register here\)](#). [Click here](#) to access free abstract

Vizheh, M., et al. (2020). The mental health of healthcare workers in the COVID-19 pandemic: A systematic review. *Journal of diabetes and metabolic disorders*. <https://doi.org/10.1007/s40200-020-00643-9>

Weiner, S., et al. (2020). Ambulance Calls for Substance-Related Issues Before and After COVID-19. *Prehospital emergency care : official journal of the National Association of EMS Physicians and the National Association of State EMS Directors*. <https://doi.org/10.1080/10903127.2020.1845420>

Patient Groups

All articles are OPEN ACCESS

Baugh, J. J., et al. (2020). The cases not seen: Patterns of emergency department visits and procedures in the era of COVID-19. *The American Journal of Emergency Medicine*, 0(0).

<https://doi.org/10.1016/j.ajem.2020.10.081>

Burkett, E., et al. (2020). It's time: delivering optimal emergency care of residents of aged care facilities in the era of COVID-19. *Emergency Medicine Australasia*.

<https://doi.org/10.1111/1742-6723.13683>

Ciofani, J.L. et al. (2020). Internet search volume for chest pain during the COVID-19 pandemic. *American heart journal*. <https://doi.org/10.1016/j.ahj.2020.09.005>

COVID-19 and emergency care for adults experiencing homelessness. (2020).

<https://doi.org/10.1111/1742-6723.13652>

Daunt, A., et al. (2020). Factors associated with reattendance to emergency services following COVID-19 hospitalization. *Journal of medical virology*.

<https://doi.org/10.1002/jmv.26594>

Fry, M., et al. (2020). Falling methamphetamine-related presentations to a clinical toxicology unit during the COVID-19 pandemic. *Emergency Medicine Australasia*.

<https://doi.org/10.1111/1742-6723.13677>

Harris, D., et al. (2020). Impact of COVID-19 social restrictions on trauma presentations in South Australia. *Emergency Medicine Australasia*.

<https://doi.org/10.1111/1742-6723.13680>

Ikenberg, B., et al. (2020). Code Stroke Patient Referral by Emergency Medical Services During the Public COVID-19 Pandemic Lockdown. *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*, 29(11).

<https://doi.org/10.1016/j.jstrokecerebrovasdis.2020.105175>

Prehospital Research – Methods and Discussion

All articles are OPEN ACCESS

The Use of Electronic Consent for COVID-19 Clinical Trials: Lessons for Emergency Care Research During a Pandemic and Beyond. - *Academic Emergency Medicine*(- n/a).

<https://doi.org/10.1111/acem.14141>

Helicopter Emergency Medical Services (HEMS) and Air Medical

All articles are OPEN ACCESS

Lemay, F., et al. (2020). Aeromedical evacuations during the COVID-19 pandemic: practical considerations for patient transport. *CJEM*, 22(5). <https://doi.org/10.1017/cem.2020.434>

Diagnosis and Triage

Articles are OPEN ACCESS unless otherwise specified

Barman, H. A., et al. (2020). The effect of the severity COVID-19 infection on electrocardiography. *The American Journal of Emergency Medicine*, 0(0).

<https://doi.org/10.1016/j.ajem.2020.10.005>

Boserup, B., et al. (2020). The impact of the COVID-19 pandemic on emergency department visits and patient safety in the United States. *The American journal of emergency medicine*, 38(9).

<https://doi.org/10.1016/j.ajem.2020.06.007>

Gervaise, A., et al. (2020). Acute pulmonary embolism in non-hospitalized COVID-19 patients referred to CTPA by emergency department. *European radiology*, 30(11).

<https://doi.org/10.1007/s00330-020-06977-5>

Identifying patients with symptoms suspicious for COVID-19 at elevated risk of adverse events: The COVAS score.

<https://doi.org/10.1016/j.ajem.2020.10.068>

Increased Incidence of Acute Pulmonary Embolism in Emergency Department Patients During the COVID-19 Pandemic. - *Academic Emergency Medicine*(-n/a).

<https://doi.org/10.1111/acem.14148>

McClelland, G., et al., 2020. Impact of the COVID-19 lockdown on hangings attended by emergency medical services. - *Resuscitation*, - 89.

<https://doi.org/10.1016/j.resuscitation.2020.10.019>

O'Reilly, G. M., et al. (2020). Epidemiology and clinical features of emergency department patients with suspected and confirmed COVID-19: A multisite report from the COVID-19 Emergency Department Quality Improvement Project for July 2020 (COVED-3). *Emergency Medicine Australasia*.

<https://doi.org/10.1111/1742-6723.13651>

Suh, E. H., Bodnar, D. J., Melville, L. D., Sharma, M., & Farmer, B. M. (2020). Crisis clinical pathway for COVID-19. *Emergency Medicine Journal*.

<https://doi.org/10.1136/emmermed-2020-209933>

Tolchin, B., et al. (2020). Developing a Triage Protocol for the COVID-19 Pandemic: Allocating Scarce Medical Resources in a Public Health Emergency. *The Journal of clinical ethics*, 31(4).

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

On-Scene Interventions

Articles are OPEN ACCESS unless otherwise stated

Boomhower, J., Noland, H. E., Frakes, M. A., Seethala, R. R., Cohen, J. E., & Wilcox, S. R.

(2020). Transport of a Nonintubated Prone Patient with Severe Hypoxemic Respiratory

Failure Due to COVID-19 [other]. Click [here](#) to access fulltext- SWASFT Athens required

(register [here](#)). Click [here](#) to access free abstract

Glenn, M.J. et al. (2020). Refusals After Prehospital Administration of Naloxone during the COVID-19 Pandemic. *Prehospital emergency care : official journal of the National Association of EMS Physicians and the National Association of State EMS Directors*.

<https://doi.org/10.1080/10903127.2020.1834656>

Myrstad, M., Ihle-Hansen, H., Tveita, A. A., Andersen, E. L., Nygård, S., Tveit, A., & Berge, T. (2020). National Early Warning Score 2 (NEWS2) on admission predicts severe disease and in-hospital mortality from Covid-19 – a prospective cohort study [OriginalPaper].

Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 28(1), 1-8.

<https://doi.org/doi:10.1186/s13049-020-00764-3>

Westafer, L. M., et al. (2020). No evidence of increasing COVID-19 in health care workers after implementation of high flow nasal cannula: A safety evaluation. *The American Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.ajem.2020.09.086>

Airway Management, Resuscitation & CPR

All articles are OPEN ACCESS

Baldi, E., et al. (2020). Treatment of out-of-hospital cardiac arrest in the COVID-19 era: A 100 days experience from the Lombardy region. *PloS one*, 15(10).

<https://doi.org/10.1371/journal.pone.0241028>

Ball, J., et al. (2020). Collateral damage: Hidden impact of the COVID-19 pandemic on the out-of-hospital cardiac arrest system-of-care. *Resuscitation*, 156.

<https://doi.org/10.1016/j.resuscitation.2020.09.017>

Borkowska, M.J., et al. (2020). Out-of-hospital cardiac arrest treated by emergency medical service teams during COVID-19 pandemic: A retrospective cohort study. *Cardiology journal*.

<https://doi.org/10.5603/CJ.a2020.0135>

Cardiopulmonary Resuscitation During the COVID-19 Pandemic. – *Circulation* (- 23), - 1833. <http://doi.org/10.1161/circulationaha.120.047260>

Huber, B.C. et al . (2020). Out-of-Hospital Cardiac Arrest Incidence during COVID-19 Pandemic in Southern Germany. *Resuscitation*.

<https://doi.org/10.1016/j.resuscitation.2020.10.034>

Jaffe, E., et al. (2020). Evolution of emergency medical calls during a pandemic - An emergency medical service during the COVID-19 outbreak. *The American journal of emergency medicine*. <https://doi.org/10.1016/j.ajem.2020.06.039>

Kwok, C.S., et al. (2020). Impact of the COVID-19 Pandemic on Percutaneous Coronary Intervention in England: Insights From the British Cardiovascular Intervention Society PCI Database Cohort. *Circulation. Cardiovascular*

interventions. <https://doi.org/10.1161/CIRCINTERVENTIONS.120.009654>

- Lim, Z.J., et al. (2020). Incidence and outcome of out-of-hospital cardiac arrests in the COVID-19 era: A systematic review and meta-analysis. *Resuscitation*. <https://doi.org/10.1016/j.resuscitation.2020.10.025>
- Jouffroy, R., romain.jouffroy@pompierparis.fr, Lemoine, S., Derkenne, C., Kedzierewicz, R., Scannavino, M., Bertho, K., Frattini, B., Lemoine, F., Jost, D., & Prunet, B. (2020). Prehospital management of acute respiratory distress in suspected COVID-19 patients. *The American Journal of Emergency Medicine*, 0(0). <https://doi.org/10.1016/j.ajem.2020.09.022>
- Lim, A., et al. (2020). An International Report on the Adaptations of Rapid Transient Ischaemic Attack Pathways During the COVID-19 Pandemic. *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*, 29(11). <https://doi.org/10.1016/j.jstrokecerebrovasdis.2020.105228>
- Little, C.D., et al. (2020). COVID-19 pandemic and STEMI: pathway activation and outcomes from the pan-London heart attack group. *Open heart*, 7(2). <https://doi.org/10.1136/openhrt-2020-001432>
- Ortiz, F.R., et al. (2020). Influence of the Covid-19 pandemic on out-of-hospital cardiac arrest. A Spanish nationwide prospective cohort study. *Resuscitation*. <https://doi.org/10.1016/j.resuscitation.2020.09.037>
- Padrão, E. M., et al. (2020). Awake prone positioning in COVID-19 hypoxemic respiratory failure: exploratory findings in a single-center retrospective cohort study. *Academic Emergency Medicine*. <https://doi.org/10.1111/acem.14160>
- Rao, P., et al. (2020). First responder cardiac health amid the COVID-19 pandemic. *Resuscitation*, 156. <https://doi.org/10.1016/j.resuscitation.2020.09.023>
- Scquizzato, T. et al. (2020). Effects of COVID-19 pandemic on out-of-hospital cardiac arrests: A systematic review. *Resuscitation*. <https://doi.org/10.1016/j.resuscitation.2020.10.020>
- Shekhar, A. C. et al. (2020). COVID-19 and the Prehospital Incidence of Acute Cardiovascular Events (from the Nationwide US EMS). *The American journal of cardiology*, 134. <https://doi.org/10.1016/j.amjcard.2020.08.003>
- Singh, S., et al. (2020). COVID-19 and out-of-hospital cardiac arrest: A systematic review and meta-analysis. *Resuscitation*, 156. <https://doi.org/10.1016/j.resuscitation.2020.08.133>
- Somri, M., Gaitini, L., Gat, M., Sonallah, M., Paz, A., Gómez-Ríos, M. Á., (2020). Cardiopulmonary Resuscitation during the COVID-19 pandemic. Do supraglottic airways protect against aerosol-generation? *Resuscitation*, 0(0). <https://doi.org/10.1016/j.resuscitation.2020.10.013>