**LSEBN Burn Care ODN Education & Training Strategy for Healthcare Professionals (2025 to 2027)**

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**1 Introduction**

The London and South East Burns Network (LSEBN) are one of four, Operational Delivery Networks for specialised burns. The LSEBN serves a population of around 21 million people, living in London, the East of England, Kent Surrey and Sussex, Thames Valley and Wessex.

The network consists of five hospitals providing specialised care for people with burn injuries, including those with complex burn injuries (requiring care in a burn centre or burn unit). The network Multi Disciplinary Team (MDT) engaged in improving and developing the assessment, treatment and rehabilitation of burn-injured patients of all ages and patients who have a severe skin-loss condition. The incidence of severe burn injury is low, however, when patients with these injuries do present to primary and secondary care providers, their assessment and treatment can present a major challenge to those inexperienced in burn management. In collaboration with the five Specialised Burn Care Services located in the LSEBN the Operational delivery network (ODN) aims to equip both specialist and nonspecialist health care professionals with the skills and knowledge they may require when presented with a burn-injured patient.

**2 Purpose**

This document has been created by the LSEBN ODN Network Management Team (NMT) covering the period for 2025-2027. The purpose of this Education and Training Strategy is to:

* Document education and training within the Burn Care Services to ensure workforce compliance with the educational requirements of the BBA National Standards for the Provision and Outcomes in Adult and Paediatric Burn Care published in 2023;
* Outline an education programme for the next two years, that aligns with the LSEBN ODN’s work plan objectives both regionally and nationally;
* Improve patient outcomes by ensuring those inexperienced in burn care have the appropriate skills and knowledge to safely assess and treat a burn-injured patient prior to transfer to a specialised burns service;

 **3 Educational Requirements for Burn Care Services**

The BBA National Standards for the Provision and Outcomes in Adult and Paediatric Burn Care stipulate that:

* Consultant Burns Surgeons in all Burn Services have successfully completed an Emergency Management of Severe Burns (EMSB) course;
* At least one doctor of ST3 level or above is available at all times that has successfully completed the EMSB course;
* Members of the nursing team in Centres and Units (bands 2 to 8), and the Lead Burns Nurse in a Facility, have undertaken burn-specific competencies relevant to their role and been successfully assessed as being competent by the end of their second year in the speciality;
* All members of the Nursing team (bands 2 to 8) in a Facility have completed burn-specific training annually;
* There is a Registered Nurse available at all times in the Centres and Units on the ward that has successfully completed an accredited academic course in Burn Care or the EMSB course;
* At least 75% of band 6 and above Registered Nurses in Centres and Units have undertaken a formal period of accredited academic study in burn care;
* That the Lead Burns Nurse in a Facility has completed an accredited academic course in burn care or the EMSB course.
* All Burn Services must fully support the EMSB course by:
1. Facilitating appropriate members of the multi-disciplinary team (MDT) to attend the course;
2. Supporting members of staff, who are on the EMSB course faculty, to teach on the courses;

**3.1** - **University based Education in Burn Care**

Chelsea and Westminster host the University of East Anglia (UEA) regional Advanced Burns Module (level 6 or 7, 20 credit) for the LSEBN that enables delivery of a accredited Burns Module within region to support education for the staff.

* Designed to expand diverse professional knowledge and enhance clinical reasoning and the skills of practitioners working within the specialties of burns. The intention of the module is to focus on the development of the clinical skills required to provide safe and effective care of the burn injured patient.
* Support regional nurses to be able to educate nurses up to the 75% academic qualification in burn care within services.
* Delivered twice a year to ensure ability to release staff to attend does not affect care deliver on the service.

ODN team also support regional university course burns care delivery sessions in trauma, paediatrics, critical care, medical, nursing and SIM.

**3.2** – **Professional Burns Education Courses**

Emergency management of severe burns course (EMSB) run on behalf of the British Burns Association - The EMSB course is a “stand alone” one-day course that covers the principles of the emergency management of severe burns including practical exercises in burn size assessment, fluid resuscitation, airway and wound management, paediatric burn care, electrical and chemical injuries and simulated cases. The course is appropriate for medical and nursing practitioners who may be required to provide initial management to patients with severe burn injuries e.g. those working anywhere in the field of burn care, anaesthesia, trauma, pre-hospital and emergency medicine.

**3.3** - **Education and Training delivered by Burn Care Services**

A review of the education and training activities delivered by the Burn Care Services within the LSEBN ODN during 2024 has shown all services deliver pre burn service education to regional A+E and pre hospital teams. All four services delivered online or face to face education around early burn care to support non burns professionals basic burns education. Summary of education delivered Appendix 1. The LSEBN is committed to support services in delivery and publication of dates with dates for training days being added to the LSEBN website. Additional bite size pre recorded education added to website to ensure easy of access to burns education for teams of professional not training in burn care to ensure the best possible outcomes for our burn injured patients.

**3.4 -** **Education delivered through the LSEBN Burn Care ODN**

The LSEBN ODN Team support delivery of

1. Bespoke education as part of requests within other networks, educational days and societies. Bespoke training session enable to teams to link and network within teams allowing improved connections for when needed for patient care.
2. The ODN has also supported debrief of events to help learning and development of the region, leading to regional change and growth to ensure process work and development and growth can happen.
3. LSEBN ODN continues to support Regional Burns Morbidity & Mortality Audit meeting for Multi-disciplinary burns professional and associated staff within LSEBN ODN Burn Care Services
4. National Burns Morbidity & Mortality Audit meeting Multi-disciplinary burns and associated staff from Burn Care Services nationally
5. Planning for a Burns Mass Casualty Incident Multi-disciplinary staff involved in emergency response to a mass casualty incident from across the LSEBN footprint and nationally
6. LSEBN ODN Regional supports the national Paediatric MDT running each Tuesday lunch time for all paediatric burns professionals to share cases and learn from each other in relation to paediatric burn care.
7. **Education Aims and Objectives 2025 – 2027**
* Access for A+E and pre hospital care to education in burn care
* Supported debrief for regional events involving burn care
* Supported mass casualty regional education with regional training in BIRT deployment

**4.1 Access for A+E and pre hospital care to education in burn care**

Following review of regional transfer times in 2023 (Appendix 2) it was noted that the region suffers with delays to burns patients access to burns specialist care. Initial management of burns in the first 24 hours of care is noted to improved patient outcomes, due to this education to non burns professionals that will be delivering this early care is essential to improving patient care. The ODN team supports in service education delivered in every service on region over the year however noted the need to bite size learning that could be developed and hosted on the

Below we set out specific SMART objectives to achieve this:

- Ensure educational opportunities are available to pre-hospital providers across the LSEBN region

- Develop burns bite side educational films for the LSEBN website

- Collaborate with Major Trauma Networks to deliver educational opportunities for healthcare professionals in Major Trauma Centres, Trauma Units and Emergency Department within the LSEBN ODN region. We will focus on initial assessment and management of a patient with a burn injury

- Support educational requests for bespoke staff training days with burns initial management

**4.2 Supported debrief for regional events involving burn care**

Following regional feedback that non burns professional found it hard to come to terms with loss of burns patients and pre hospital teams being unsure of where to refer as an example paediatrics patients, the regional ODN have agreed create a process where learning from the events and regional staff can be heard. ODN will support regional debrief when needed and create a QR code for feedback to learn from.

 Below we set out specific SMART objectives to achieve this

* Hold online regional debriefs to support discussion and learning from regional events
* Deliver regional burns SIM in local A+E’s to test in service responses and support local training
* Regional action plan of learning from events to be discussed at regional ODN

**4.3 Supported mass casualty regional education with regional training in BIRT deployment**

ODN is committed to develop and support a regional BIRT SIM training event to ensure individuals that could get deployed to have the correct skill set during this time. Regional support for national mass casualty exercise has began with operation Hestia. Regional staff will then be invited to deploy BIRT staff to an immersive SIM to practically work through events.

Below we set out specific SMART objectives to achieve this:

* Support national operation Hestia delivery
* Deliver a Regional Burns Incident Response Team (BIRT) Study Day for BIRT volunteers within the LSEBN ODN.

5 **Regional Mortality and Morbidity**

The LSEBN will continue to organise and fund an Bi - Annual Regional Morbidity and Mortality Audits to discuss regional deaths to ensure learning is shared and themes are worked in to regional workplan.

6 **National Burns Morbidity and Mortality**

The LSEBN will continue to support when needed National adult and paediatric Burns Morbidity and Mortality. Regional cases will be selection from within region regional Mortality and morbidity meetings for presentation at the Annual National Burns Morbidity and Mortality Audit, and encourage all Burn Care Services to participate in the national meeting.

7 **National Paediatric Burns MDT**

The LSEBN will continue to host, run and contribute to National Paediatric burns MDT to ensure shared leading in paediatric cases across the UK burns services.

8 **EMSB**

 The LSEBN ODN will help to ensure Burn Care Services are supported in delivering an annual EMSB Course as per burn care standards. Aim is for one EMSB per service over the year and centres to run faculty training course to help ensure regional availability of faculty.

Within region Chelmsford, Chelsea and QVH run yearly courses to ensure availability of course places for service requirements within the burn care standards. Chelmsford and Chelsea also support candidate courses to commit to develop the future faculty for the EMSB with both running candidate course once per year.

9 **ODN Forums**

Support the delivery of regional nursing, therapy and psychosocial forums – network clinical leads will hold regional forums for regional staff to share learning and look at best practice. These forums can be held online or in person for all services to send representatives.

 10 **LSEBN Educational fund**

The LSEBN ODN continues to support services with a regional education fund for services enabling services to decided how best to spend that money across the MDT. This money is split according to service specification. The Lead MDT professional board deliver regional forum days to bring together the services where training and development is shared and innovation in care is encouraged.

11 **Conclusion**

In conclusion, the LSEBN ODN has access to burns specialist knowledge across the five Specialised Burn Care Services. This Education and Training Strategy will utilise this knowledge to improve and develop the assessment, treatment and rehabilitation of burn injured patients within our ODN region. The LSEBN ODN aims to deliver a comprehensive programme of education and training over the next two year to:

1. Increase confidence and knowledge in burns and non-burns staff in a response to a mass casualty incident involving burn-injured patients;
2. Ensure burns staff and the wider MDT have the opportunity to share good practice and learn from each other.

This strategy will provide networking opportunities across organisational and professional boundaries which will in turn lead to a more integrated approach and delivery of burn care in the future.