

LONDON & SOUTH EAST OF ENGLAND BURN NETWORK

End of Year
Report
2018 – 2019



Audience

This document is intended as an information resource for senior managers and clinicians in the following NHS organisations within the LSEBN area:

- NHS Hospital Trusts providing specialised burn care
- Major Trauma Centres
- Ambulance Services
- Helicopter Emergency Services (HEMS)
- Operational Delivery Networks for Adult & Paediatric Critical Care
- Chelsea & Westminster Hospital (host of the LSEBN)
- Members of the LSEBN Network Team
- NHS England Regional Offices (London, East of England and South East)

Additionally, the document is intended for:

- Other Specialised Burns Operational Delivery Networks in England and Wales
- COBIS (Specialised Burn care in Scotland)
- Major Trauma Clinical Reference Group

The document will also provide an information resource for the following non-NHS Organisations:

- Changing Faces
- Dan's Fund for Burns
- Katie Piper Foundation
- Children's Accident Prevention Trust
- The Scar Free Foundation

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The London and South East of England Burn Operational Delivery Network (LSEBN)

The LSEBN is one of four operational delivery networks (ODNs) for specialised burn care in England and Wales. During 2018-2019, we had almost 8,800 new referrals, of which around 230 cases were for a burn injury larger than 10% of the body surface area.

Of these, almost 40 cases involved large burn injuries, requiring intensive care in one of our burn centres.

Vision and purpose

The aim of the LSEBN is to optimise the provision of care for burn injured patients as defined in the manual for prescribed services and the Service Specification for Specialised Burn Care by ensuring that all patients that require specialist burn care have access to the right level of burn care at the right time and in the right service.

Focus

The key objectives for the LSEBN are to:

- Ensure effective and resilient clinical flows through the provider system through clinical collaboration for networked provision of services.
- Take a whole system collaborative provision approach to ensuring the delivery of safe and effective services across the patient pathway, adding value for all its stakeholders.
- Improve cross-organisational multi-professional clinical engagement to improve pathways of care.

Background

The LSEBN has been operating as a managed clinical network since early 2008. Until April 2013, the network was managed and supported by the London Specialised Commissioning Group.

Challenges

As with many specialised services, burn care for people with complex injuries is a high cost and low volume service. Improving access to high quality care is a priority for the ODN.

Geography

The LSEBN covers a large geographical area and a population of around 21m people. Our network covers all of London and the East of England, Kent Surrey and Sussex, and the Thames Valley. Our network geography includes three NHS England Regions and we have four NHS England Teams commissioning specialised burn care services.

There are five, recognised or designated hospitals for specialised burns in the network:

- **Chelsea & Westminster Hospital, London**
- **St Andrews Broomfield Hospital, Chelmsford**
- **Queen Victoria Hospital, East Grinstead**
- **Stoke Mandeville Hospital, Aylesbury**
- **John Radcliffe Hospital, Oxford**

A short report from each service is included in this document.



ODN Chair and Clinical Director's introduction

In 2015, the LSEBN agreed that the Network Clinical Lead of the ODN would also act as Chair of the ODN Board. The ODN Chair is accountable to the Chief Executive Officer of the Chelsea & Westminster Hospital, as host of the ODN.

For 2018-2019, the Clinical Lead and Chair of the ODN was Miss Alexandra Murray.

It has been a rewarding and challenging year as chair and clinical lead for the London and South East Burns Network (LSEBN). The 5 services across the network continue to act as one giant unified team, supporting each other in delivering excellent burn care. Despite the volume of work, with 45% of all UK burn injuries (over 8000 patients per year) coming under LSEBN, the teams continue to deliver high quality care - often with staffing and significant resource gaps. For this we should be very proud.

The LSEBN highlights of the last 12 months include contributions to key national projects such as revision of the National Standards for Burn Care and mass casualty planning with the Major Trauma and Critical Care Networks. The mass casualty document was tested nationally with Exercise Phoenix in October, allowing us for the first time to think in detail about mobilizing Burn Injury Response Teams from our services.

Additions to the LSEBN governance structures have included more detailed review of activity, mortality and morbidity biannually rather than annually, as well as a more analytical approach based on key lessons learned from National Audit. This has led on to some crucial audit projects looking at the impact of transfer times on patient outcomes and delayed discharges from specialist burns beds within LSEBN. Both of these will be presented at the National Audit in July.

Our network manager, as well as our leads for nursing, psychology, therapy and informatics have all done an amazing job in contributing to some key developments in organization, training, and collaboration. I am hugely grateful to them, along with Jorge Leon-Villapalos as deputy chair and clinical lead for Chelsea and Westminster, for their dedication and support to the network and for juggling this with work for their own services.

I look forward to working together with Jorge as Co-Chair and the rest of the network team for the forthcoming year in delivering the LSEBN work programme and continuing to strive for excellent and consistent burn care.

*Miss Alexandra M Murray MBChB MD FRCS(Plast)
Clinical Lead for Burns Care at SMH
Clinical Lead and Chair for LSEBN*



Chelsea & Westminster Hospital

The LSEBN is hosted by Chelsea & Westminster Hospital NHS Foundation Trust. The host Trust is responsible for the effective functioning of the network working in conjunction with the lead commissioner from NHS England.

This year has been another busy and successful year for the LSEBN team. This annual report highlights some of the work undertaken within the network over the last 12 months and as in previous years, all of the work projects have been aimed at maintaining and improving access, standards of care and outcomes for patients and their families.

During 2018-2019, as well as working on local & network issues, the LSEBN team played a significant role in the development and publication of the new burn care standards. The new burn care standards clarify those aspects of care that are essential to good outcomes and, through a self-assessment process, they will enable specialised burn services and their host NHS Trusts, to identify gaps in provision and where improvements are needed.

I must also acknowledge the support being given by the LSEBN and the ODN team in developing a new national burns mass casualty and major incident planning tool. This is a very valuable piece of work, led by ODN colleagues in the South West of England and, when completed, will support the whole NHS in responding to an incident involving multiple burn injured casualties.

The LSEBN continues to play an important role in the day-to-day and strategic challenges faced by burn care services and I wish the network well for the current year.

Bruno Botelho,
*Divisional Director of Operations Planned Care
Chelsea & Westminster Healthcare NHS Foundation Trust*

NHS England London Region

The London and South East Burns Network (LSEBN) continues to encompass the true vision for a networked approach to care. Their dedication and commitment to driving forward best practice through a collaborative approach and willingness to put in the hard work to deliver change is commendable.

This annual report identifies key achievements over the last twelve months such as the revision of the National Standards for Burn Care and mass casualty planning with the Major Trauma and Critical Care Networks. The LSEBN continues to scrutinise all aspects of care including activity, mortality and morbidity to better understand where there are key challenges to address and improvements to be made.

The recently published NHS Long Term Plan clearly identifies the need to move towards a more networked approach to care, mentioning networks 57 times throughout the document. I have had the pleasure of working with the LSEBN team for the last four months in my new role as senior clinical network manager. I would like to thank the entire team and look forward to working together in the coming year.

Kathy Brennan
ODN Manager, NHS England (London)

The LSEBN team

A small, dedicated network team supports the LSEBN. In addition to the Network Clinical Lead, the team benefits from three network professional leads, for nursing, therapy, psychosocial care and Health Informatics. The Network Manager leads the LSEBN team.

Alexandra Murray – Clinical Lead for 2018-2019

“I have worked in the field of plastic surgery and burns for 15 years, training in London and Yorkshire. During this time, I developed a real passion for burns care. I was fortunate enough to then complete specialist Burns fellowships in Australia, working with Heather Cleland at the Victoria Adult Burns Service and Fiona Wood and Suzanne Rea at the Western Australian Burns Service, learning modern techniques and how to drive quality forwards. I joined Stoke Mandeville Burns and Plastics Unit in September 2015 and have been clinical lead for the burns service since then. I have enjoyed working within the London and South East Burns Network both as deputy chair and in the recent year as chair. We are a very collaborative network, and work well with the other burn networks, all striving to improve quality of burns care nationally. I feel privileged to continue working alongside Jorge Leon-Villapalos as Co-Chair and the rest of the excellent LSEBN team to deliver our important work programme for 2019-20”.



Jorge Leon-Villapalos – Deputy Clinical Lead for 2018-2019

“My passion for burns surgery dates back from early in my Plastic Surgery training in the Pan-Thames rotation in London. It was based in the discovery of the exciting management of the burns patient in a multi-disciplinary fashion together with the wish to follow the lead and learn from the true giants of the specialty at the time. Following completion of my Plastic Surgery rotation, I increased my burns experience with a Fellowship in Paediatric and Adult Burns Surgery and Intensive Care at The Shriner’s Paediatric Burns Hospital and the University of Texas Medical Branch Adult Burns Unit in Galveston Texas. I have been a member of the BBA national executive and also its former educational Chair. I am the Current Burns Unit Clinical Lead at Chelsea and Westminster Hospital where I have been a Consultant for 10 years following a previous Consultant Post at St Andrews Centre for Plastic Surgery and Burns. I am also a Key EMSB instructors and Course Director. I am excited to be part of the LSEBN clinical lead together with Alex Murray and look forward to the challenges that our specialty faces in training, organization and delivery of care”.



Nicole Lee – Lead Nurse

I have worked within the burns service at St Andrews for 10 years’ within the burns ICU, looking after complex burn injured patients. My role has developed over the years to senior sister and clinical facilitator which has required me to lead on training in and out of the unit with running our own course on burn care and teaching within other specialty’s i.e. paramedic. I was very lucky to take on the role of lead nurse within the network in October 2018 and I feel very privileged to now hold the lead nurse role of the LSEBN leading SNF with their amazing work streams for the future. My specialist interests are within training of burn care to improve outcomes for burn care survivors and simulation training as feel ‘practice always helps make perfect’.



Lisa Williams – Psychosocial Lead

“I qualified as a Clinical Psychologist in 1995 and originally worked in HIV and sexual health. I started the adult burns psychology service at Chelsea & Westminster in 2006 on a 3-year post funded by Dan’s Fund for Burns. NHS commissioners now provide funding, and the service now has four psychology staff working across the adult and paediatric burns service. My specialties are trauma, PTSD, peer support and appearance concerns”.



Rachel Wiltshire – Lead Therapist

“For the last 10 years I have held a Senior Physiotherapist role with responsibilities for team leadership across all aspects of Burn Therapy from critical care to outpatient settings with both adults and children. I have also been a Steward for the Chartered Society of Physiotherapy since 2004. In addition to my professional work I volunteer for local charities working with children and their families. In my leisure time I enjoy spending time with my own young family and keeping fit”.

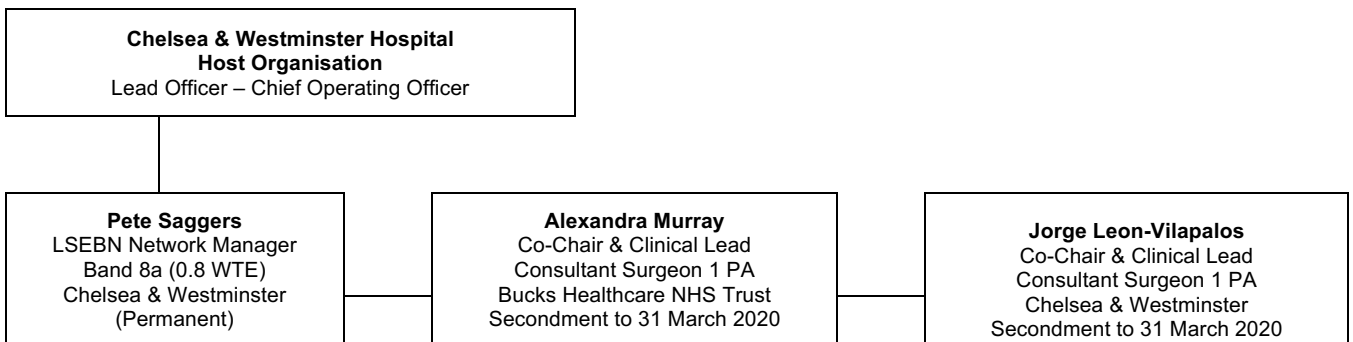


Pete Sagers – LSEBN Network Manager

“I joined the NHS in the 1970’s and after working in a number of service and commissioning posts, was Director of Specialised Commissioning in the East of England until 2007. I’ve had the pleasure of working with the burns community since 2001, and have been extensively involved in the many national initiatives for burn care. I currently lead the National Burns ODN Group, and outside of work and family, I like to travel and read”.



LSEBN Organisational Structure 2018-2019



- Professional and Programme Leads:** All secondments to 31 March 2020
- **Krissie Stiles** – Network Lead Nurse. Host - Queen Victoria Hospital. Secondment Band 8a (0.2WTE) (to June 2018)
 - **Nicole Lee** – Network Lead Nurse. Host – Mid Essex Hospitals. Secondment Band 8a (0.2WTE) (from September 2018)
 - **Rachel Wiltshire** – Network Lead Therapist. Host - Mid Essex Hospitals. Secondment Band 8a (0.2WTE)
 - **Lisa Williams** – Network Lead Psychosocial Care. Host - Chelsea & Westminster. Secondment Band 8a (0.1WTE)
 - **Michael Wiseman** – Network Lead Informatics. Host – Mid Essex Hospitals. Secondment Band 7 (to 31st December 2018)

Network Priorities and Work Programme 2018-2019

The LSEBN ODN Board agrees a work programme each year, including issues related to clinical and organisational governance, and service and quality improvements, led by the network professional leads.

Clinical and Organisational Governance

Audit

The LSEBN holds two mortality and morbidity (M&M) audits each year, at summer and winter MDT meetings. No cases were identified for further comment or action. Additionally, the LSEBN co-hosted the fourth National Burns Mortality Audit meeting, in July 2018.

This year, the meeting included participation from the services in Northern Ireland and the Republic of Ireland. Dr. David Herndon, Director of Burn Services at the Shriners Hospital, Galveston, Texas, chaired the meeting. Clinicians attending the meeting agreed that this 2018 audit event had again been an overwhelming success.

A number of common themes, highlighted in the Chairs report, emerged from the meeting, including:

- Transfers: improving the process to ensure a safer transfer of patients to and from burn services;
- Toxic shock syndrome: the need to develop new clinical protocols;
- Multi-resistant organisms and infection: an opportunity to do things differently;

It was agreed that the audit process and methodology should again be refined for future years. The LSEBN will continue to support the audit in 2019.

Emergency Preparedness

During 2018, the ODN, there has been a continued focus on emergency preparedness and resilience. The LSEBN is working within a small T&F Group to finalise the production of a Burns Annex to the NHS England Mass Casualty Concept of Operations document.

The work is being led by the SWUK Burns network and is due to be completed by the late summer of 2019.

Burn Care Standards

The LSEBN led the national work on developing a revised set of burn care standards. Working alongside the British Burns Association (BBA), and running for more than 15 months, this programme of work successfully concluded in November 2018, with the publication of the BBA Standards and Outcomes report. A more detailed explanation of the work is provided overleaf (*page 10*).

London and South East Strategic Review

In response to a number of configuration, derogation and compliance issues, and the Strategic Vision Statement written by the ODN in December 2017, NHSE London announced in November 2018 that they were planning to undertake a strategic review of specialised burn care.

A small Task & Finish Group was established, including NHSE Managers, Public Health Medicine and the LSEBN Clinical Lead and Network Manager. The purpose of the T&F Group was to prepare an options appraisal for burns services covering London and the South East of England, with the aim of getting a final draft "discussion" document to the Senior Management Group, NHSE Specialised Commissioning, (London) by 31 March 2019. In drafting the report, it was agreed that much of the landscape of burn care has not altered over the last 10 years, and it would be possible to take content from other, recent burn service reviews and be refreshed for a 2019 view.

The discussion document draft was completed on time and offered a preferred configuration option for consideration by the three NHS England commissioning teams.

If approved, Phase 2 will involve detailed testing the viability of the preferred option including costing, workforce and the impact implementation will have on existing services in the burn's pathway.



Service and quality improvements: LSEBN Senior Nurse Forum

The LSEBN Senior Nursing Forum (SNF) is comprised of experienced senior nurses and Burn Care Advisors with a passionate outlook to improve patient’s experience of burn care before, during and after their contact with a specialist burn service.

This year, taking on my new role as lead nurse for the LSEBN, has led me to spend some time within all four services looking at the amazing work that the nurses are achieving across the network.

With busy work schedules, getting the teams together has had its challenges, so we have commenced meeting online with good success, to enable work to continue and plan some face-to-face and online meetings in future. The following narrative describes the work of the SNF this year.

LSEBN Training and Development

We have given considerable focus to training and development of nursing teams within the specialist centres, in order to improve recruitment and retention of specialist trained nurses within the LSEBN.

Our work has comprised of an educational audit of training, in relation to the newly published burn care standards, which has exposed some gaps in training and a lack of access to an advanced burn care course across the LSEBN.

Results of the audit have led to the development of a burns specialist on-line module, with collaboration of Queen Marys university, leading to a specialist burn care course release on January 2020, for all services across the LSEBN.

National

Development and release of a national competency framework, for the care of Adult burn-injured patients, within the critical care environment, in collaboration with Critical care networks and CC3N.

New products

Development and sharing of new products across the LSEBN –

- Sharing of nurse lead protocol across the LSEBN
- Nexobrid leading to shared protocol and specialist training development from East Grinstead across the network.

Patient centred care

Feedback at the Senior Nurse Forum highlighted the need for improved guidance in face care, delivered to minor facial injuries, with risks of flammable product use being main product of choice within the LSEBN.

Development of new face care protocol within the group is hoping to help safe effective facial care for patients across the network with clear understanding of risks associated with product use.

***Nicole Lee
LSEBN Network Lead Nurse
Senior Sister / Clinical Facilitator Burns ICU
St Andrews Centre, Broomfield Hospital***





Service and quality improvements: LSEBN Therapies Forum

Physiotherapy and Occupational Therapy are two elements of a comprehensive rehabilitation service, provided at all stages of a patient’s recovery following a burn injury. This includes both inpatient and outpatient care following initial burn injury care through to scar reconstructive surgery.

Physio and OT are integral components of the burns service and are delivered in accordance with the national standards in the management of burn-injured adults.

Network Forum

The therapy sub-group continues to have good engagement from all burn services with the quarterly meetings well attended. There has been excellent collaborative working between the services to share new service developments and clinical skills, in particular in relation to emerging scar modalities.

Therapies Audit

In January 2019 we undertook a network wide re-audit against the new standards with the aim of reviewing progress since the initial audit in 2018.

The audit was completed in March 2019 and results will be presented to the ODN board in June 2019.

Overall services have improved from 86.5% compliance to over 91% compliance across a range of areas within the therapy specialism; from pain and oedema assessment, respiratory treatments, functional assessments, scar review and psychosocial aspects of care.

Education and development

Members of the therapy group from our network were instrumental in delivering a very successful study day for senior therapists in conjunction with the Burn Therapy Interest Group, held on 2nd October.

The day aimed to improve clinical expertise in the management of hand burns. Topics included paediatric palm burns, hand anatomy, surgical management of hand burns, scar mobilisation and splint making.

The therapy lead was very active in the completion of the National Burn Care Standards Review in 2018 and will continue to participate in the planning of service reviews against the standards in 2019.

The lead therapist has also been representing AHP’s on the NHS England (Major Trauma CRG) Paediatric Burns specification working group.

Looking ahead to 2019-20, the Lead Therapist has now reduced hours for the network and the work plan has subsequently been adjusted accordingly. The therapy group will continue to meet quarterly and this year plan to revise the Therapy Competencies along with participating in the wider network work plan.

**Rachel Wiltshire
LSEBN Lead for Therapies
Senior Physiotherapist
St Andrews Centre, Broomfield Hospital**





Service and quality improvements: LSEBN Psychosocial Care Forum

Progress in Work Plan 2017-2018

This year's work programme focused on three key issues rolled over from the previous year.

Documentation

Lisa Williams represented the LSEBN in the National Burns Standards Review Group meetings held in Birmingham. Changes and proposals were discussed with the Psychosocial Forum and fed back into the review. The new standards were published by the BBA in October 2018. Self-assessment against the new (psychosocial) standards will form part of the 2019-20 Work Plan. The group has managed to meet quarterly but without full, service representation from all services. Neither the Royal London nor John Radcliffe were able to attend any Forum meetings this year. A review of how we meet has been completed and there will be pilot changes to these meetings from July 2019. This will also form part of the 2019-20 Work Plan.

Outcomes

Following discussions with the Centre for Appearance Research (CAR) and ethical approval for the four main sites we are now ready to begin inviting eligible patients to participate in a study of the implementation of the CARE Scales. We have negotiated with CAR to code our responses and will receive data back from them for further analysis. This will also form part of the 2019-20 Work Plan.

Psychosocial Activity

In the March 2016 meeting of Psychosocial Care Forum, we agreed on a standard set of data for each of the four main services to collect, share and publish in future annual reports. Here is the data for 2018-19:

	Children	Adults	Total
Number of patients screened	464	820	1284
Number of inpatient sessions	341	783	1124
Number of Out-Patient sessions	271	757	1028
Number of adults on London Area Support Group Database			100
Number of families on the family / camp database			422
Number of psychosocial staff trained			196*

**Samar Saleh from Stoke Mandeville also delivered psychosocial training to staff at the John Radcliffe. Total includes 'top-up training' as well as LSEBN psychosocial package training.*

Matters of concern

Staffing issues and gaps in maternity leave cover have continued to be a challenge for the group. As always, each service has difficulties releasing staff for psychosocial core and refresher training meaning there are few opportunities to engage the whole MDT. Stoke Mandeville in particular has struggled with a lack of psychiatric support to the whole trust. Queen Victoria Hospital staff and patients face continued uncertainty about paediatric services moving to Brighton. St Andrews has experienced more difficulty releasing staff for network meetings.

***Dr. Lisa Williams
LSEBN Psychosocial Care Lead
Clinical Psychologist
Chelsea & Westminster Hospital***



Working in partnership (1)

BBA National Standards for Provision and Outcomes

In April 2017, the Major Trauma CRG proposed that there must be a review and rewrite of the National Burn Care Standards document (revised January 2013). The CRG suggested that the new burns professional standards should be prepared as a joint publication, between the British Burns Association (BBA) and the four Operational Delivery Networks (ODNs) for burns. The LSEBN acted as lead for this nationally significant work stream.

The Burns Standards Review Group (BSRG) was established, jointly accountable to the British Burns Association (BBA) Executive Committee and to the National Burns Operational Delivery Networks Group (NBODNG). The aim of the BSRG was to produce and publish a revised set of professional burn care standards of care and outcomes. The final report was to be owned and published by the British Burns Association

The BSRG aimed to revise and rewrite the 2013 document, to clearly indicate what is *essential* to good care and outcomes for patients (core standards) and what is good practice and *desirable*, to improve care, outcomes and experience for patients and their families;

The final document was to be offered to the NHS England MT CRG, to inform the commissioning arrangements for specialised burn care

The BSRG was chaired by Mr Peter Drew (BBA Chair 2017-2018) and the whole Burns MDT was widely represented on the BSRG, with the membership drawn from each of the four ODNs. The members included each burns network area, the membership included burns consultant surgeons and anaesthetists / intensivists, specialist senior burns nurses, Allied Health Professionals (Physiotherapists, Occupational Therapists, Dietitians and Psychologists). The BSRG also included clinical representation from Scotland, Northern Ireland and the Republic of Ireland, as well as a number of patient's groups. The LSEBN ODN Manager acted as project manager and secretariat for the group, and the group held its first meeting in September 2017. Over the following 12 months, the BSRG met on six further occasions, modifying and amending a series of draft documents.

It had become clear at an early stage, that synchronicity with the CRG work on the Paediatric Burns Specification was crucial and a considerable amount of effort was given to ensuring there was consistency between the two work streams.

In addition to ensuring that the work of the BSRG tied-in with the paediatric specification, a second key issue emerged: that needed to be resolved:

- What is the minimum number of cases that a burns centre should undertake each year, to maintain the skills and expertise of staff.

The members discussed this on many occasions and activity data from the International Burn Injury Database (IBID) was requested on two occasions. The information provided by IBID was inclusive, and the BSRG members agreed that there was no conclusive evidence that would indicate any particular minimum number of cases, and as a result, it was agreed to keep the number at the level specified in the 2013 document.

By late September 2018, a final draft document was circulated to all BBA members, giving members a short period of time to comment on the draft document. The BBA Executive Committee, signed-off the final version in mid-November and this version was published on the BBA website on 1st December 2018.

It was a pleasure and a privilege to play a role in the development of this nationally significant document. The *BBA National Standards for Provision & Outcomes in the Adult & Paediatric Burn Care 2018* is a considerable step forward from the 2013 version and, once translated into the Specialised Burns Specification, will support improving standards and outcomes for patients and their families.

*Pete Sagers
LSEBN ODN Manager*



Working in partnership (2)

This year, the LSEBN has worked on two national projects, in partnership with other burn ODNs, NHS England and the British Burns Association.

National Partnerships

The LSEBN is one of four specialised burn care Operational Delivery Networks covering all of England and Wales, and collaborative working is an essential part of our work. We have established a national group, bringing together the four network clinical leads, network managers and NHS England to support and coordinate nationally significant issues.

The National Burns ODN Group (NBODNG) group allows clinicians and managers to share information, knowledge, challenges and successes to ensure effective Operational Delivery Network form and function, including the development of consistent provider guidance and improved service standards, ensuring a consistent patient and family experience.

The NBODNG plays an important role in a national work programme, in key areas that require a nationally consistent approach across all burns ODNs, including:

- Clinical governance and audit;
- Quality assurance, through self-assessment and peer-review;
- Emergency Preparedness (EPRR)
- Information and intelligence.

The LSEBN Network Manager is the current Chair of the group and is leading the work on developing and publishing the new Burns Standards in 2018.

EPRR and Mass Casualty Incidents

A major focus for the NHS is the ability to respond to a major or mass casualty incident. NHS England announced a proposal to develop and publish a new “*Concept of Operations*” plan (ConOps) in 2017. It was agreed that this overarching plan required an annex that dealt specifically with burns casualties in a major incident. The Northern Burn Care Network (NBCN) had initially agreed to take the lead role in this work. A small task & finish group was established to develop the annex, with the following purposes:

- To indicate how a significant number of people receiving burn injuries from one or more major incidents could be efficiently and effectively distributed to burn services, suitably equipped and staffed, to deal fully with the presenting injuries and;
- To be utilised as a stand-alone document for a major incident involving burns only or part of the larger NHS England Plan.

The work has continued throughout 2018-2019, with a change of leadership (SWUK) for the T&F group.

A mass-casualty exercise (Phoenix) was held in November and this has greatly informed the project and will lead to improved arrangements.

A second national, mass casualty burns incident exercise is planned for early 2020.

This work will also inform a re-write of the Standard Operating Procedure for Burns Intensive Care Surge and Escalation.

At the time of writing this network report, a Gateway publication date for the annex is not yet known, However, NHS England Emergency Preparedness leads have asked ODNs to ensure that the draft annex is fully operationalised, immediately after it is approved by the Trauma and EPRR Clinical Reference Groups.

Service Reports 2018-2019

St Andrews Broomfield Hospital, Chelmsford

The St Andrews Hospital service is located at Broomfield Hospital in Chelmsford and provides centre-level care for adults and children. The service has 6 individual thermo-regulated rooms providing flexible ITU/HDU beds. The St Andrews burn service is the network's sole paediatric centre, admitting all types of cases, including those patients requiring burns intensive care. Children with the most severe injuries and co-morbidities are managed in collaboration with clinicians at Birmingham Children's Hospital.



The St Andrews burns service continues to provide care and expertise to the children and adults of the London and South-East regions ranging from the treatment of the most complex of burns injuries and medical skin loss through to minor burn injuries.

Our clinical works continues unabated and it is with pleasure that yet again the CQC awarded the St Andrews burns service as outstanding. Whilst it is wonderful to see the total number of major burn injuries in children nationally becoming less common, we continue to care for the greatest number of children in the country with the largest burns, maintaining strong clinical skills through our dedicated care of burn injuries across the age spectrum. The challenges of an ageing population and the treatment of burns in the elderly makes the importance of the increasing work of our outreach services invaluable and our ongoing research into the impact of frailty on morbidity so apt.

It has been a busy year with our academic output of over 15 publications and presentations and posters in various scientific meetings across the globe.

The service has seen a number of changes to our personnel with some wonderful staff across the service moving on to other challenges and the retirement of one of our esteemed consultant Burns and Plastic surgeons, Mr Bruce Philp, from our unit after many years of dedicated service. A man of great compassion and intellect who was on the board of the British Burns Association for many years, his presence will be greatly missed locally, within the network and nationally within the burns community, and we wish him well for the future.

We continue to provide burns specific training including the accredited EMSB course and a number of specialist courses run for paramedics, nursing and allied health professionals alike.

The ability to purchase equipment for our simulation training from network monies has meant that the range of scenarios we are able to reproduce and with added realism has been greatly enhanced. We are now able to improve the skills of doctors and nurses in training on vital aspects of burn care by this realistic simulation training. This type of network support for which we are extremely grateful is vital to enhancing patient safety and care by ensuring that we deliver the best possible modern training methodology for old and new staff alike.

*Mr David Barnes
MBChB, BMSc, MSc, FRCS Plast (Edin)
Clinical Lead for Burns, St Andrews*

Service Reports 2018-2019

Chelsea & Westminster Hospital, London

The Chelsea and Westminster Burn Service is the only service in London providing care for patients with significant burn injuries. The burns service serves a large proportion of inner London, as well as “out-of-London” patients extending from Thames Valley to the south coast. The service has two isolated thermos-regulated Burns Adult ITU dedicated beds, and 3 day-case adult beds. In addition, there are 6 paediatric inpatient beds (2 HDU), and 11 adult inpatient beds (2 HDU).



Chelsea and Westminster Hospital provides expert, multidisciplinary burns care for both adults and children in the heart of London and the South East of England. Our Adult Centre and Paediatric Unit continues collaborating closely with our LSEBN colleagues in order to provide continuation of care at a time of changing delivery of care and resource reconfiguration in the Network.

Our team has been able to overcome familiar problems to any burn professional such as a multi-resistant bacterial outbreak and the occasional lack of intensive care capacity thanks to the support of our Network colleagues. We are undergoing a process of expansion in our Intensive Care area that will lead to improved facilities and a larger number of beds.

The quality of our care has been recognised by the European Burn Association who has awarded Chelsea and Westminster the status of Centre of Excellence for burn care in a major incident scenario. Our aim is to continue our expansion with an increase in the number of consultants in the immediate future.

The unit exhibits an excellent team spirit that has seen an excellent retention and further increase in the number of nursing and allied health professional staff. We aim to increase our laser expertise with the acquisition of a state-of-the-art new M22 laser platform that will enhance the scar management profile of the unit.

We have an active research program with multiple projects that collaborate actively with recognised hubs of science such as Imperial College and plan to host two burn fellows in the next few months.

*Jorge Leon-Villapalos MBBS MSc Dipl IC FRCS (Plast)
Consultant in Plastic Surgery and Burns
Clinical Lead Burns Service
Chelsea and Westminster Healthcare NHS Fdn Trust
Honorary Senior Clinical Lecturer Imperial School of Medicine
London and South East Burns Network Co-Chair 2019*

Service Reports 2018-2019

Stoke Mandeville Hospital,
Buckinghamshire Healthcare NHS Trust, Aylesbury

The Stoke Mandeville Hospital is situated in Aylesbury, Buckinghamshire. It has 6 dedicated burn care beds, 4 of which can be routinely used flexibly for HD care level. The unit is situated adjacent to ITU and theatres to enable easy access to these facilities as required.

The service offers a multi-disciplinary team centred approach for its patients, including dedicated input from psychology, occupational therapy and physiotherapy in conjunction with experienced nurses and clinicians.



Stoke Mandeville Hospital continues to provide unit level care for adults and children in the Thames Valley and Buckinghamshire area. Patients with more severe injuries (>40% TBSA in adults and >20% TBSA in children) are transferred for centre-level care.

For 2018-2019, our Burns Unit has continued to get excellent patient feedback, and to perform well in almost all areas of the quality dashboard. The trust as a whole has just been awarded 'Outstanding' for Caring from the CQC, and the burns and plastics team were able to contribute to this by demonstrating our improvements over the last 2 years. We are still struggling with staffing levels and are working with the network lead nurse, Nicole, and the trust to be able to move forwards on this issue.

Our multi-disciplinary scar service continues to get busier, and since the successful introduction of a carbon dioxide laser service, we have now started a micropigmentation service led by our nurse practitioner. This allows us to deliver a more holistic scar service in line with national standards.

The team has published in peer-reviewed journals this year and has presented several pieces of work at the British Burns Association and BAPRAS meetings and at the National Burns Audit. The most valuable of our audits was a collaborative network project led by us, analysing the impact of transfer times on patient outcomes.

Our research profile and clinical cover is soon to be enhanced further by the addition of Mr Fadi Issa to our team as a part-time academic consultant. Fadi runs the Transplant Research and Immunology Group at the University of Oxford and is a fellow of the Wellcome Trust. He will aid in us delivering high-quality scientific research in burns, focused on manipulation of the immune system.

*Miss Alexandra M Murray MBChB MD FRCS(Plast)
Clinical Lead for Burns Care at SMH
London and South East Burns Network Co-Chair 2019*

Service Reports 2018-2019

John Radcliffe Hospital,
Oxford

The burn service at John Radcliffe Hospital has been operational as a burns facility since 2016. The service is co-located with the Oxfordshire Major Trauma Centre and is a valuable addition to the LSEBN network. The clinicians at OUH work closely with colleagues at Stoke Mandeville.

The activity following information was provided to the Network Audit meeting in June 2019.



Activity: New Referrals - (all new burns seen as inpatient or out-patient – 1st episode only)			
Adults		Children	
TBSA% <10%	192	TBSA% <10%	123
TBSA% ≥10% to <40%	0	TBSA% ≥10% to <30%	0
TBSA% ≥40%	0	TBSA% ≥30%	0
Total	192	Total	123

Aetiology and size:

- 58% scald injuries
- TBSA range 0.25%- 5%

Where referrals from:

- 87% from ED (majority JR)
- 10% from GP
- 3% inpatient referrals

Cases referred to Bucks Burns Unit (Stoke Mandeville):

28 patients = 9%

24 adults: 21 for MDT input, 3 for convenience

4 children: 3 for MDT input, 1 for convenience

John Radcliffe at OUH continues to provide facility-level burns care alongside a busy plastic surgery department and the regional Major Trauma Centre (MTC). This is the only burns facility in the London and South East network that is co-located with an MTC and also with PICU and as such, it is an important service to maintain. Our main challenges are in relation to ring-fenced funding to support the staff and development of the service, and we are currently in talks regarding this.

We have a dedicated burns clinic weekly and a senior nurse with a specialist interest who supports this clinic, along with myself as the burns lead. We continue to work closely as a hub-spoke model with our neighbouring burns unit at Stoke Mandeville and have biannual audit and teaching sessions with this team. This model has ensured that our team are up to date with psychosocial training this year, and many of the team will be attending the upcoming burns symposium at Bucks in October. Aside from this, we refer any patients that require additional support in terms of scar therapy or psychosocial support through to the Burns MDT clinics at Stoke Mandeville. With the start of a new academic burns consultant post at Stoke, we are able to develop a more robust cross-site MDT with shared contracts and shared staff training opportunities. This is the main development plan for the upcoming year, along with working with our trusts and commissioners to ensure we are able to financially support the team and service developments.

*Ms Sarah Tucker
Burns and Plastic Surgeon
Clinical Lead for Burns*



Forward into 2019-2020

We have already approved and published our work programme for 2019-2020 and have agreed with NHS England our immediate priorities for the year ahead.

The LSEBN ODN Team develops a draft future work plan each year, for consideration by the ODN Board in March. This year, the draft plan will be subject to a small number of late amendments, as the work on the standards self-assessment will influence our priorities in mid- to late-2019.

Organisational Governance (*Pete Siggers*)

We will continue work with the other burn networks and NHS England to develop a sustainable and effective incident response plan for major incidents involving burn injured casualties, based on the national work to develop a mass casualty response. This work includes a major redesign of the Pathways Directory of Services (DOS) and we will work closely with NHS Digital and the National Burns Bed Bureau on this project through 2019 and into 2020. We will continue to work closely with our local NHS England regional teams, to develop a sustainable strategic plan for specialised burns.

Clinical Governance (*Jorge Leon-Villalpos*)

We will be completing the self-assessment process for the new BBA standards and outcomes. We will work with the services to review any gaps in service delivery and agree priorities and actions to improve care. We will also be developing a new national audit toolkit for a national audit of patient transfers into burn services, as well as undertaking a longer prospective audit of the impact of delayed discharge from burn care.

Psychosocial Care Forum (*Lisa Williams*)

We are looking forward to exploring new ways to meet and exchange information with the Psychosocial Forum. We start with a full-day conference with presentations from four of the services. There are now clear, updated standards for psychosocial care against which we will assess ourselves as individual services and a network. Finally, the opportunity to gather a large amount of standardized outcome data from our patients for the first time is an exciting one.

Specialised commissioning (*Kathy Brennan*)

During early 2019, the LESBN has collaborated with the adult critical care, paediatric critical care and major trauma ODNs to review the care of patients suffering from smoke inhalation injuries. There are plans in place to review the triage pathway, further demonstrating a commitment to collaborate in the best interests of patients and to respond. The LESBN will continue to scrutinise all aspects of care including activity, mortality and morbidity to better understand where there are key challenges to address and improvements to be made.

Senior Nurses Forum (*Nicole Lee*)

With the release of the CC3N burn competencies, we are developing a training package for the first 24 hours of care of a burns patient, for critical care staff that are looking after patients with a large burn injury, whilst waiting for a bed or during a major incident. We will also continue with the audit of the nurse led protocol for the use of Nexobrid across the LSEBN. We are expecting to begin a new project to review current practice in face care and intend to develop a face care protocol. The SNF group will work on gathering an evidence-base, with the hope that this can potentially move forwards into 2020-2021 as a PREM.

Network Therapy Nurses Forum (*Rachel Wiltshire*)

The Therapy Forum will continue a program of training and education for the improvement of burns care service provision and ensure national standards are met. Looking ahead to 2019-2020, the Lead Therapist has now reduced hours for the network and the work plan has subsequently been adjusted accordingly. The therapy group will continue to meet quarterly and this year, we plan to revise the Therapy Competencies along with participating in the wider network work plan.

Annex 1

LSEBN Service Activity 2018-2019

Total number of all new first referrals to the burns services. Categorized by burns severity (TBSA – Total Body Surface Area).

Note:

This overview is intended to indicate the total number of new patients treated by each burn service, and includes all adult and paediatric activities, for both inpatient and outpatient care. Activity data shown below was provided for the National Burns Mortality Audit meeting, July 2019,

	St Andrews Broomfield Hospital	Queen Victoria Hospital	Chelsea & Westminster Hospital	Stoke Mandeville Hospital	Oxford John Radcliffe
TBSA% Burn Injury <10%	977	1036	2248	745	192
TBSA% ≥10% to <40%	60	21	46	13	-
TBSA% ≥40%	20	1	9	1	-
Total all Adult Referrals	1057	1058	2303	759	192
TBSA% Burn Injury <10%	775	745	1181	455	123
TBSA% ≥10% to <30%	26	2	17	7	-
TBSA% ≥30%	6	0	1	0	-
Total all Paediatric Referrals	807	747	1199	462	123

TOTAL ALL REFERRALS	1864	1805	3502	1221	315
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Indicative % share of all referrals

21%

21%

40%

14%

4%



Acknowledgements:

This network report has been prepared by members of the LSEBN ODN Team. We are grateful to NHS England (London) for providing the template for the report and to all clinical and management members of the five burns services for making contributions to the content.

Further information about the network, and our work, is available on the LSEBN website www.LSEBN.nhs.uk

