



South West UK Burn Care
Operational Delivery Network

Annual Report

April 2018 to March 2019

SWUK Burn Care
Operational Delivery Network

Hosted by:
North Bristol NHS Trust
Southmead Hospital
Bristol BS10 5NB

Audience

This document is intended as an information resource for Chief Executives, Medical Directors, Senior Managers and Clinicians in the following NHS organisations within the SWUK Burn Care Operational Delivery Network (SWUK ODN) area:

- NHS England Trusts and NHS Wales Health Boards providing specialised burn care
- NHS England Specialised Commissioning (South)
- North Bristol NHS Trust (host of the SWUK ODN)
- Members of the SWUK ODN specialised burn services
- Major Trauma Operational Delivery Networks
- Critical Care Operational Delivery Networks
- Ambulance Services in SW England and Wales
- Helicopter Emergency Services (HEMs) in SW England and Wales
- Clinical Commissioning Groups

Additionally, the document is intended for:

- Other Specialised Burns Operational Delivery Networks in United Kingdom
- Specialised Burn Care In Scotland (COBIS)
- NHS England Major Trauma Clinical Reference Group

This document will also provide an information resource for the following non-NHS organisations:

- The British Burn Association (BBA)
- Changing Faces
- Dan's Fund for Burns
- Katie Piper Foundation
- Child Accident Prevention Trust
- The Scar Free Foundation

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Message from SWUK ODN Clinical Leads

The last year has been an exciting time for the SWUK Burn Care Operational Delivery Network (SWUK ODN) and it is a huge credit to all those involved in burn care in our region that we have achieved so much and helped to promote and improve burn care at a local, regional and national level.

Our priorities for the year included placing a greater focus on Network-wide education and communication. Educational events were planned to supplement the activities already taking place within each of the Network's specialised burn services. These included:

- A burns study day for the Channel Islands, aimed at staff involved in emergency and critical care
- A regional multi-disciplinary morbidity and mortality audit meeting
- A national study day on planning for a burns mass casualty incident
- Our first regional multi-disciplinary team (MDT) conference

The SWUK ODN was also delighted to fund registration fees for nursing and allied health professionals from each of the burn care services within the Network to attend the British Burn Association (BBA) Annual Conference in Swansea in April 2018.

Communication within the Network has been greatly improved by the development of a quarterly SWUK Burns Bulletin and a brand new website <http://www.southwestukburnnetwork.nhs.uk/>, both due entirely to the hard work of Sharon Standen, our Network Manager.

National planning for burns mass casualty incidents has continued over the past year and the National new strategic document should be published in early 2020. Our Network has been heavily involved in both the production of the document and its associated paperwork, as well as the development of a Burn Incident Response Team (BIRT) training day which will be held in 2019.

The revised [British Burn Association National Standards for Provision and Outcomes in Adult and Paediatric Burn Care](#) was published in 2018. It was recommended that Networks and burn care services complete a self-assessment against the standards every two years, forming part of their respective Service Development Plans (SDPs). It is

expected that formal peer review will take place every four to five years. In our region, we have started this process with each service having completed their initial self-assessment in April. We look forward to working with the services in achieving these high standards.

Efforts to introduce a single Telemedicine system across the Network have continued, with progress in many areas. To date, systems are in use in Plymouth and the Bristol Children's Hospital, with on-going discussions in all other services. We hope to have completed this roll out to all burn care services within the Network by the end of 2020.

Although we continue to face challenges with transfers into and between burn services, the development of transfer and referral guidelines for air ambulance services and the production of patient information DVDs have brought about many improvements over the 2018/19 period. We have also been delighted to improve our engagement with stakeholders from the South Western Ambulance NHS Foundation Trust, the South West Critical Care Network and the Major Trauma Networks.

We have many challenges to face in the coming year, but with the help of our committed colleagues within the specialised burn services we hope to make the next year as successful as this one.

It has been our privilege to act as Clinical Leads for the network during this time. A summary of our work plan priorities for 2019-20 can be seen on page 11.



Mr Peter Drew
Consultant Plastic
Reconstructive & Burns
Surgeon
SWUK Clinical Lead
The Welsh Centre for
Plastic Surgery & Burns
Morriston Hospital
Swansea



Dr Joanne Bowes
Consultant Burns
Anaesthetist
SWUK Clinical Lead
The Welsh Centre for
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Morriston Hospital
Swansea

What is the SWUK Burn Care Operational Delivery Network?

Background

The SWUK Burn Care Operational Delivery Network (SWUK ODN) is one of four national Burn Care ODNs in England and Wales. It is hosted by North Bristol NHS Trust and serves the populations of South West England (including Hampshire, Isle of Wight and the Channel Islands) and South/Mid Wales. The total population is approximately 10 million.

The SWUK ODN is made up of a tiered model of specialised burn care services consisting of Centres, Units and Facilities.

Network Footprint



Specialised Burn Services in Network

Burn Centres	 Bwrdd Iechyd Prifysgol Bae Abertawe Swansea Bay University Health Board	Adults only
	 University Hospitals Bristol NHS Foundation Trust	Children only
Burn Units	 North Bristol NHS Trust	Adults only
	 Bwrdd Iechyd Prifysgol Bae Abertawe Swansea Bay University Health Board	All ages
	 Salisbury NHS Foundation Trust	All ages
Burn Facility	 University Hospitals Plymouth NHS Trust	All ages

Network Aim

The aim of the SWUK ODN is to ensure patients who suffer from a serious burn injury, within the SWUK ODN area, receive optimal treatment in a timely manner at a service appropriate for the injury sustained, and that the treatment and care given to patients and their families is of the highest quality as measured by regular review of outcomes. **Ensuring right level of burn care at the right time in the right service.**

Network Key Objectives

- Cross-organisational multi-disciplinary clinical engagement to improve pathways of care.
- Safe transfers of patients to the most appropriate level of specialised care
- Standardised protocols for acute care and rehabilitation within specialised burn services.
- Delivery of education and training to support high standards in burn care throughout the patients treatment pathway
- Ensure patient involvement in service improvement and development planning
- Use of Clinical Governance processes to ensure clinical outcomes are audited
- Assurance that burn injured patients are seen within the correct specialised burn service
- Assessment of specialised services against national Standards for Burn Care.
- Collaboration in research and clinical audit for patient benefit.

NHS England Specialised Commissioning (South)

I would like to congratulate the SWUK Burn Care ODN on another successful year. I have been involved with the ODN over the years, and watched it grow from a group of dedicated clinicians from all backgrounds, into an Operational Delivery Network that lives its core values of excellence of care, holistic care of the patient and their family through the use of a multi-disciplinary approach, and ensuring rigorous governance to ensure ongoing learning.

This has been demonstrated through the delivery of key successes for 18/19:

- Initial roll out of a single burns telemedicine system that will decrease travel time for patients and families and improve referrals;
- Review of transition pathways for children and young people;
- Leading the way nationally in emergency preparedness;
- Extensive educational support for staff and the region;
- Piloting educational support for patients and families.

Specialised Commissioning is proud to be an active participant in the SWUK ODN and we are looking to develop even closer links over the following year. We are grateful to the excellent clinical and managerial leadership of this group as well as to North Bristol NHS Trust for hosting the ODN.



Dr Peter Wilson

Medical Director - NHS England South (Specialised Commissioning)

SWUK ODN Host—North Bristol NHS Trust

Supporting specialist services through networks is vitally important for ensuring that high quality services are available for patients when they need them most. North Bristol NHS Trust is proud to host the SWUK Burn Care ODN and I am personally proud to chair an ODN Board of dedicated professionals committed to enhancing patient care. The ethos of collaboration within the ODN ensures networked patient pathways are agreed and implemented and outcomes and quality standards are improved. This was highlighted by the services' presentations at the National Burns Morbidity and Mortality audit meeting 2018/19.

This Annual Report shows progress in many areas. A particular example is the adoption of the tele-referral system in Plymouth and the Bristol Children's Burns Centre. Once this can be implemented in all the network Burn Services it will provide assurance that patients are referred to the most appropriate service and also enable burn specialists to give appropriate advice to referring services before a patient is transferred.

Multi-professional working is fundamental to good burn care. I am pleased that the SWUK ODN has been able to fund additional nursing and allied health professional places at the British Burn Association Annual Conference in Swansea in April 2018. It is vital to ensure that all staff maintain their specialist knowledge and skills and pass these on to new colleagues in the future. The ODN Management Team has developed a two year education strategy which will focus on preparing non-burns healthcare professionals in pre-hospital and Major Trauma Centres/Units with the skills to care for burn injured patients in the first 48-72 hours should a burn mass casualty incident occur.

The ODN Management Team continues to play an active role in delivering national projects as part of the National Burns ODN Group, particularly in respect of services' self-assessment against the British Burn Association [National Standards for the Provision and Outcomes in Adult and Paediatric Burn Care](#). In 2020 there will be a review of services as part of the national Getting It Right First Time (GIRFT) programme and I know that our services are already preparing for external peer reviews. I look forward to the outcomes of these exercises as an opportunity to progress our work even further. I am grateful for all the hard work of the ODN management team and above all for the work of the many people involved in burn care services across the South West of England and South Wales.



Dr Chris Burton

Medical Director - North Bristol NHS Trust

Meet the Network Management Team

A small dedicated Network Management Team provides leadership for the SWUK ODN. It consists of two Clinical Leads, a Lead Nurse and a Network Manager. Their role is to recommend key priorities and an annual work plan to the Network Board and drive forward actions to deliver those key objectives. The team works closely with the Burn Service Clinical Leads, Senior Nurses, Lead Therapists and Psychologists. The Network Management Team consists of:

Mr Peter Drew - Consultant Burns Surgeon & Clinical Lead

It was my great privilege to be appointed as a Clinical Lead for the SWUK Burn Care ODN in July 2018, joining a well-established and successful Management Team. I had previously acted as Service Lead for the Swansea Burn Service, giving me some insight into how the network functions and areas in which I felt development could be beneficial. Since joining the management team, I have tried to foster closer working relationships with colleagues in Services in England and to streamline pathways for helicopter transfer of burn patients and tele-referral. I strongly believe that the ODN has a key role in educating colleagues in pre-hospital and frontline roles in burn injury and its management.



Dr Joanne Bowes — Consultant Anaesthetist & Clinical Lead

Having been appointed to my current post as Consultant Anaesthetist with a specialist interest in burns and burns intensive care at the Welsh Centre for Burns in April 2000, I have been active within the SWUK ODN for the past eleven years: Firstly as lead for adult intensive care and now as one of the two clinical leads, working with colleagues to ensure the ODN provides the best possible care for patients. I am co-author of the documents “Outcome Measures for Adult and Paediatric services” (British Burns Association) and “Guidance for the Provision of Anaesthetic Services (GPAS) for Burns and Plastic Surgery”. In addition, I am a keen advocate of education as a means of improving burn care and co-founded the “Burns for Anaesthetists” one day course.



Nicola Mackey — Matron & Lead Nurse

I am very proud of the hard work and commitment demonstrated by Nurses throughout the Network, in particular to education in burn care across the patient pathway. The year began with a Channel Islands Study Day following a request nursing staff in Jersey General Hospital. It was delivered by nurses and medical staff from within the network and has become a blue print for preparing non-burns staff in caring for burn-injured patients. We held our first SWUK ODN multi-disciplinary team meeting which replaced the Lead Nurses Forum and it was felt to be reflective of how we work in burn care. The year concluded with a scoping exercise of outreach services across the ODN. Although excellent, there is no standard model of delivery and outreach for adults is particularly inequitable, therefore, this will be a focus for the next couple of years. We remain committed to providing education and training to all healthcare professionals in caring for burn-injured patients where ever they present.



Sharon Standen—Network Manager

This year has focused on preparing for burns mass casualty incidents The SWUK ODN took over as lead Network on two national projects; reviewing the Burns Annex of the *National Concept of Operations for Managing Mass Casualties* and updating the *Management of Surge and Escalation in Critical Care Services: Standard Operating Procedure for Adult and Paediatric Burn Care Services in England and Wales*, both due to be published in 2020. This has provided me with an exciting opportunity to learn about emergency planning and to meet up with the many stakeholders involved. It has been a pleasure to work with such dedicated multi-disciplinary burn teams and healthcare professionals in pre-hospital and emergency care services.



Network Key Challenges and Successes in 2018-19

The SWUK ODN Board agreed a work programme for 2018-19. The objectives set were related to Clinical Governance, Emergency Preparedness, Resilience & Response (EPRR), Professional Education & Training, Patient & Public Engagement & Education Audit & Data, Research & Innovation and Communications. Below is a summary of some of the key successes during 2018-19.

Clinical Governance

- ◆ Approval of a single **telemedicine system** to be implemented across the Network to reduce unnecessary patient travel to a specialised burns service. The chosen system was piloted and implemented in the Plymouth Burns Facility at Derriford Hospital and implemented in the South West Children's Burn Centre;
- ◆ We improved links with pre-hospital services with new representatives on the Network Clinical Governance Group to ensure **safer transfers**;
- ◆ Establishment of an **Anaesthetics/Intensivist Group** to develop safer patient transfers into and between burn services;
- ◆ Improved understanding of trusts' different **Infection Control policies** and implementation of routine review of transfer and MDRO incidents via the Network Clinical Governance Group;
- ◆ A **Rehabilitation pathway** was agreed and embedded into the SWUK ODN Repatriation Guidelines to take into account different levels of support and facilities available across the Network;
- ◆ A generic **mental health referral pathway** for adults and children from burns service was established;
- ◆ **Psychosocial care guidelines and pathways** within burn services; were agreed/
- ◆ A review of **transition pathways** between children and adult burn services was undertaken and actions taken as per NICE transition recommendations where necessary.

Emergency Preparedness, Resilience & Response

- ◆ Establishment of a **Network Emergency Planning Group** to facilitate operationalising the Burns Annex once published;
- ◆ We took over as Lead Network for a national review of the **NHS England Concept of Operations (ConOps) for Managing Mass Casualties—Burns Annex**.
- ◆ Lead Network for review of the **NHS England Management of surge and escalation in critical care services: standard operating procedure for Adult and Paediatric Burn Care Services in England and Wales**
- ◆ The Network participated in a Public Health England EMERGO exercise "**Exercise Phoenix**" in September 2018. The aim of the exercise was to orientate participating staff to the proposed NHS England Con-Ops for the management of Mass Casualties (Burns Annex). The specific objectives were to:
 - ◆ Explore how and where burn injured patients are planned to be relocated from the Trauma Centres, Trauma Units and Emergency Departments into the national Burns and ECMO Networks;
 - ◆ Assess the availability of Burns Incident Response Teams (BIRTs)
 - ◆ Establish the Burns and ECMO bed status in response to the exercise scenario.
- ◆ Ten recommendations came out of the exercise which were addressed by the **National Burns Annex Review Group**.

Professional Education & Training

- ◆ Delivery of a **Channel Islands Burns Study Day** in Jersey, with support from nurses and medical staff from across the Network. Due to the complex arrangements required for transporting patients to a specialised burn service, the aim was to equip local emergency and ICU multi-disciplinary teams with the skills and knowledge to care for burn-injured patients in the first 48 hours of admission.
- ◆ Completion of a **Network Healthcare Professionals Education Strategy** stipulating aims and objectives for the next two years;
- ◆ Delivered first **Regional Study Day—Preparing for Disaster** - equipping non-burns healthcare professionals with knowledge on the management of burn injuries in the first 48 hours post burns mass casualty incident;
- ◆ Delivered first **SWUK ODN Regional Multi-disciplinary Team Study Day**—to facilitate a learning from each other and an opportunity for staff from across the Network to meet up with other teams. This will become an annual event;
- ◆ Funding of registration fees for 15 nursing and allied health professionals to attend the **Annual BBA Congress in Swansea** in April 2018.

Patient & Public Engagement & Education

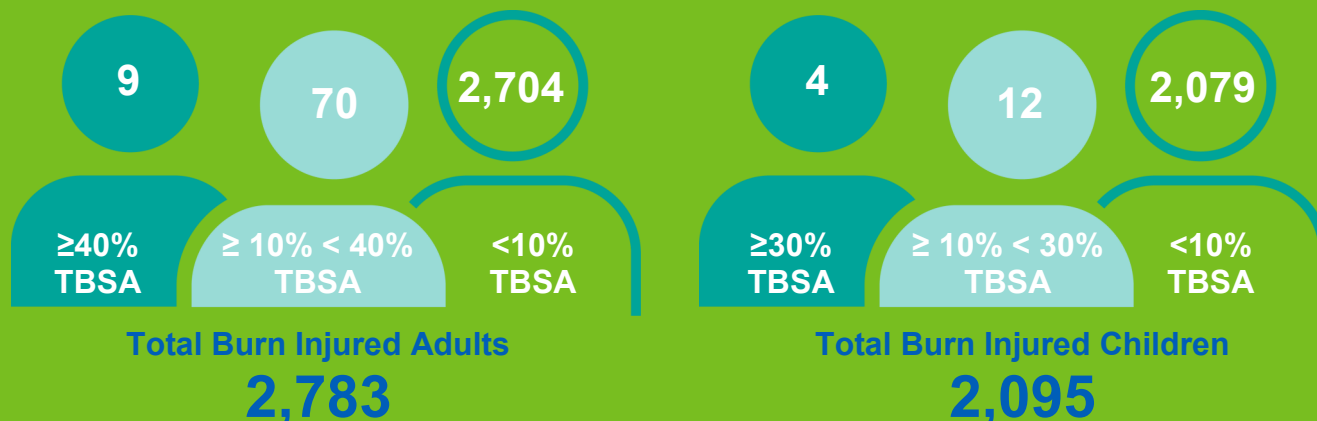
- ◆ A new **Network website** (www.southwestUKburnnetwork.nhs.uk) was developed and went live in 2018 ;
- ◆ A **Twitter account** (@SWUKBurnsODN) was set up to aid communication from the Network and to follow other organisations linked to burns;
- ◆ We supported several projects to **pilot patient education/support projects** which included:
 - ◆ The development of a **repatriation video** for patients transferring to Bristol Adult Burns Unit at Southmead Hospital. Detailing what to expect in an effort to alleviate patient anxiety. Similar videos for other services will be developed in 2019-20.
 - ◆ A video for families of children with a burn injury, prepared by the South West UK Paediatric Burns Centre
- ◆ A **Network Patient & Public Engagement Policy** was developed and approved by the Network Board;
- ◆ One **patient representative** attends the ODN Board meetings.

Research & Audit

- ◆ We held our **Annual Regional Morbidity & Mortality Audit** meeting in June 2018. All burn services were represented.
- ◆ A **SWUK ODN Annual Research Meeting** was held in December 2018 showcasing the research work being undertaken within the network;
- ◆ We undertook a self-assessment against the Network section of the British Burn Association National Standards for Provision and Outcomes in Adult and Paediatric Burn Care which showed we were compliant with 70 of the 78 standards;
- ◆ All Burn Services within the SWUK ODN also completed their self-assessments against the BBA Standards in January 2019. They will develop quality improvement plans to address areas of non-compliance during 2019-20 in preparation for a Getting it Right First Time (GIRFT) review and Quality Surveillance Team (QST) review in 2020/21;
- ◆ We undertook a scoping exercise of current **Outreach Services for children and adults** with an Outreach Working Group. This identified inequity in provision for adult outreach across the Network. The ODN will work with Burn Services to develop service improvement plans in 2019-21.

Our Network in Numbers 2018-19

New Patient Referrals (inpatients and outpatients)



Education & Training

10 Burns AHPs funded by SWUK ODN to attend **British Burn Association Conference** (May 18)

40 members of burns MDTs attended the **SWUK ODN Regional Morbidity & Mortality Audit** (June 18)

10 Burns Staff funded by SWUK ODN to undertake the **Emergency Management of Severe Burns (EMSB)** Course (September 18)

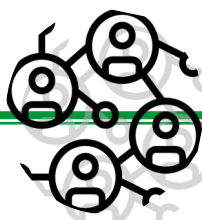
156 Delegates attended first **SWUK ODN Education Day—Preparing for a Burns Mass Casualty Incident** (November 18)

60 members of the burns MDTs attended first **SWUK ODN Regional Burns MDT Study Day** (December 18)



Communications

3 SWUK ODN Burns Bulletins to **400** stakeholders
78 Twitter followers
824 Website users & **3,892** views (top users - Department of Health and Public Health England)



Network Governance

3 Board Meetings
3 Clinical Advisory Group Meetings
3 National Burn ODN Meetings
1 Regional M&M Audit
1 National M&M Audit



Morbidity & Mortality Audit

ADULTS:
9 Mortalities
0 Unexpected deaths
1 Unexpected survivor
2 Untoward incidents or Serious adverse events
54 ICU admissions

PAEDIATRIC:
0 Mortalities
0 Untoward incidents or Serious adverse events
14 Ventilated or resus patients

13 INTER-NETWORK TRANSFERS:
3 Centre to Unit
3 Unit to Centre
1 Facility to Centre
2 Unit to Unit
4 Unit to Facility
1 Referral for extra-corporeal membrane oxygenation (ECMO)

Service & Quality Improvements — Senior Nurses Group

Clinical Governance

- Following work undertaken in 2017-18 ensuring understanding of different infection control practices across the Network. We are pleased to report that there were **no significant multi-drug resistant organisms (MDRO) infections** or issues reported across the ODN during 2018-19;
- Two presentations were given at the **ODNs Regional MDT meeting**. One on the challenges faced by staff caring for patients with MDRO infections and another one on the repatriation video which gave patients information on what to expect in relation to infection prevention and control measures when transferring to another hospital.

Service Improvement

- We undertook a **review of Outreach Services** across the ODN with input from all the outreach nurses. This resulted in an Outreach Scoping Report which identified areas for service improvements and a lack of adult Outreach provision in the South West of England. An Outreach Working Group has been established to review the outcomes and to undertake further analysis of the data with a view to making recommendations to the organisations concerned;
- Senior Nurses are represented on a **SWUK ODN Emergency Planning working group** to support ODN in operationalising the Burns Annex once published;
- **Nursing recruitment and retention** is a national problem and within the ODN the hotspots are Salisbury Adult Burns Unit and Swansea Paediatric Burns Unit. Salisbury undertook a successful recruitment campaign in 2018-19 and by next year should be fully staffed. Swansea has a rolling recruitment campaign for the hospital.

Education & Training

- The SWUK ODN supported 15 places for nursing and AHPs staff to attend the **BBA conference** in Swansea;
- Nursing staff from the Swansea and Bristol Faculty delivered a local **BBA Emergency Management of Severe Burns (EMSB) Course** in September 2018. Twenty two candidates enrolled and 20 passed.
- Nurses from across the ODN took part in the **National Burns Awareness Day** in liaison with their local emergency service colleagues;
- The **University of West of England & North Bristol NHS Trust Burn Care and Rehabilitation Degree & Masters accredited CPD module** was led and delivered by Burn Care staff within the SWUK ODN. It was held from October to February 2018. Nurses from Bristol Children's Hospital, Salisbury District Hospital and Southmead Hospital undertook the course.

Plans for 2019-20

- The SWUK ODN will fund two places from each Burn Services for nursing and AHP staff to attend the **British Burn Association Conference** in May 2019;
- The Network will also fund two places from each Burns Service for nursing and AHP staff to enrol on the **Emergency Management of Severe Burns (EMSB) course** in September 2019 to enable services to maintain competencies;
- We will contribute to **SWUK ODN Annual Regional MDT Conference** in September 2019 (Theme: Preparing for National Review) .

Service & Quality Improvements — Therapies Group

Patient Experience

The Therapy Specialist Interest Group (SIG) developed a **repatriation video** for patients transferring to the Adult Burns Unit at North Bristol NHS Trust. The video demonstrated how therapists work together to provide a seamless transfer and continuation of rehabilitation. It also describes infection control procedures when transferring between hospitals, the layout of the hospital, ward, in-patient bed space, therapy room and out-patient clinic set up. It also includes two patient interviews talking about their experience of being transferred to a new team and their on-going rehabilitation;

Patients were informally engaged in development of the video providing feedback as to what they would want to know if being repatriated to another service. Prior to publication of the video, feedback was also obtained from patients and burns multi-disciplinary teams from across the network;

An evaluation questionnaire was produced to gain feedback when patients were shown the video. A means of assessing whether the video reduces patient anxiety will be developed in collaboration with the Clinical Psychology SIG;

This project was accepted for a poster presentation at the British Burn Association Annual Conference in May 2019.

Education & Training

- The Therapy SIG successfully organised and hosted a **“Management of Complex Hand Burns”** study day in October 2018. The day was well attended by physiotherapists, occupational therapists and technicians from across the country. Feedback overall was excellent and the study day was referred to the British Burn Association Newsletter;
- Burn Therapists continue to be involved in organising the University of the West of England & North Bristol NHS Trust **Burn Care and Rehabilitation Degree & Masters accredited CPD Module**, delivering sessions on rehabilitation and scar management. The 2018 therapy students successfully passed the module.
- Development of **formal links between adult and paediatric burn therapy** services to provide training, advice and support for new therapy colleagues.

Plans for 2019-20

- Complete **repatriation videos** for Swansea (paediatrics) and Salisbury (adults);
- Deliver a **National Scar Management Study Day** (Feb 2020);
- Develop an **on-line education resource** for non-burns community healthcare staff to access and be referred to for extra advice on a day to day;
- Develop **condition cards** for non-burns therapists to provide advice on rehabilitation of patients following a burns mass casualty incident.

Service & Quality Improvements — Psychology Group

Service Improvement

- Each psychology service within the SWUK ODN ensured that addenda was included in the Burns Psychosocial Referral Pathways regarding local Trust/Health Board policies pertaining to mental health and psychiatric liaison services;
- **Standardised psychology referral pathways within burn care services** have been implemented in all burn services within the ODN, (except Plymouth Burns Facility which currently does not have a dedicated Burns Psychologist);
- Self-assessment against the [British Burn Association \(BBA\) Standards for Provision and Outcomes in Adult and Paediatric Burns Care 2018](#), highlighted the need to implement a **standard method of early psychosocial screening** to identify those patients who are vulnerable to developing psychological problems post-injury.

Education & Training

- A review of **trauma training** options highlighted the need for a consistent approach to providing peer support within Burn MDTs following a traumatic event or burns mass casualty incident;
- Support and training provided by the psychologists to burn-care staff in relation to **psychology screening and referral criteria** to ensure all patients are screened;
- Bristol (paediatric and adult services) and Swansea became recruitment centres for the University of the West of England (UWE) Centre for Appearance Research [CARE Burn Scales](#) study.

Patient Engagement

- A video called "**Road Less Travelled**" incorporating parent interviews has been developed for teaching purposes within the burn services;
- Swansea Burn Centre to trial Burns '**Patient Concerns Inventory**' (PCI);
- Development of illustrated patient stories and evaluation of the inpatient goal planning process;
- Development of an evaluation tool to assess the **impact of the repatriation** video in reducing levels of anxiety in patients transferring to another burn service.

Plans for 2019-20

- Support the ODN in development of **burns psychology provision in Plymouth**;
- Develop and pilot a **Patient Education Programme** in Swansea;
- Develop and pilot **Adult Group Support** model for the South West and Wales;
- Complete editing of video material of families describing their experiences;
- Review of **pathways for children with complex injuries** and treatment involving therapies and psychology;
- Support the ODN in developing **Trauma training** across the ODN to comply with BBA Standards.

Network Priorities for 2019-20

The SWUK ODN develops a work plan every year based on regional and national priorities. Regular service reports to the ODN Board ensures areas of concern are raised and can be addressed as part of the ODN work plan. All work plan topic areas are aimed at improving standards of care, access and outcomes for patients and their families. The SWUK ODN Work Plan for 2019-20 was approved by the ODN Board in April 2019. Below is an overview of the ODN's objectives for 2019-20.



Clinical Governance

- Implementation of a **single burns tele-referral system** within the Specialised Burn Services at Morrison Hospital, Swansea, Salisbury District Hospital and Southmead Hospital, Bristol. (<http://referrals.mdsas.com/>);
- Work with colleagues from the Emergency Medical Retrieval and Transfer Service (EMRTS) Wales and South Western Ambulance Service NHS Foundation Trust (SWASFT) and Air Ambulance charities to develop a **Burns Trauma Triage Tool** providing clear guidance on transfer of burn injured patients within Wales and the South West of England;
- Work with the South West Critical Care Network in developing burns specific information for **safe inter-hospital transfers of critically burn-injured patients**;
- Improved clinical governance links with other stakeholders involved in the transfer of burn-injured patients;
- Implementation of basic initial **psycho-social screening** of patients by members of the burns multi-disciplinary teams to ensure timely referral to Burns Clinical Psychologists;
- Further analysis of **Outreach provision** with a view to re-modelling and extending outreach services for adults in the South West of England.

Emergency Planning

- Lead Burns Network for the **National Burns Annex Task and Finish Group** to ensure the Burns Annex, as part of the NHS England & Improvement National Concept of Operations for the Managing of Mass Casualties is published by March 2020;
- Ensure implementation of the **Burns Annex** within the SWUK ODN Burn Services and the Burns Annex is integrated into Trust/Health Board Emergency Plans;
- Run a **National Burns Incident Response Team (BIRT) Information Day** in September 2019 to launch the new role as part of the Burns Annex;
- Lead Burns Network for review of the **National Management of Surge and Escalation in Critical Care Services: Standard Operating Procedure for Adult and Paediatric Burn Care Services in England and Wales** to ensure publication in early 2020.

Audit Programme

- Each Burn Service to develop an action plan for **addressing areas of non-compliance** with the British Burn Association Standards for Provision and Outcomes of adult and paediatric burn care (2018). Progress will be monitored via the SWUK ODN Clinical Governance and Board through exception reporting.
- The SWUK ODN to develop an action plan for addressing areas of non-compliance to the ODN section of the **British Burn Association Standards for Provision and Outcomes of adult and paediatric burn care (2018)**.
- All Burn Services to take part in the **SWUK ODN Annual Morbidity and Mortality Audit** in June 2019 and identify cases to go forward to the National Annual Audit meeting in July 2019.

Education & Training

- Deliver year 1 objective of the **SWUK ODN Education and Training Strategy** in **Preparing for a burns mass casualty incident** by:
 - Running two Burn Study Days on Planning for a Burns Mass Casualty Incident. One in Plymouth and one in Salisbury aimed at healthcare professionals within the Peninsula and Wessex Major Trauma Network areas;
 - Deliver a SWUK ODN Regional Stakeholder Education Day on “Burns, Blasts and Biohazards” bringing together multi-disciplinary teams involved in patient care from pre-hospital onwards;
- And **Learning from each other** by:
 - Holding a **SWUK ODN Regional Burns Multi-Disciplinary Team Day** for all Specialised Burn Services. **Theme: “Preparing for National Review”**;
 - Fund two places from each of the Burn Services to support nursing and allied health professionals to attend the **Annual National British Burn Association Conference** in May 2019;
 - Ensure Burn Services are supported in delivering the **Emergency Management of Severe Burns (EMSB) course**, in September 2019, providing two ODN funded places from each of the Burn Services;
- The **SWUK ODN Therapies Group** will identify gaps in on-line training modules for community therapy teams and aim to develop these modules. They will also develop Condition Cards for therapists in Intensive Care Units for use after a burns mass casualty incident.;
- The SWUK ODN Therapies Group will deliver a **Scar Management Study Day** for new Burns Therapists in February 2020.

Patient & Public Engagement

- The SWUK ODN will lead on a national project to develop **Burns specific Patient Reported Experience Measures (PREMS)** starting in early 2020;
- We have been fortunate to have one patient representative on our SWUK ODN Board. We hope to **increase patient involvement** through the development of adult patient support groups;
- **Strengthening our links** with the Burns charitable organisations by collaborating on patient support projects;
- Following the success of the **Bristol Repatriation video**, we plan to develop similar videos for patients repatriating to Swansea (paediatrics) and Salisbury Burn services.

Research & Innovation

- Deliver an **Annual SWUK ODN Research Meeting** for Burn Services to present research projects and updates on clinical trials;
- The SWUK ODN will continue to **publicise the research trials** when requested and provide information on trials on the ODN’s website.

Working in Partnership

National Burn Care Operational Delivery Network Group

The SWUK ODN is one of four Specialised Burn Care Operational Delivery Networks covering England and Wales. The ODN Managers and Clinical Leads form a National Burn Care ODN Group (NBODNG) which meets quarterly and works collaboratively to deliver national projects on behalf of NHS England and the Major Trauma Clinical Reference Group.

Key areas that have required a nationally consistent approach during 2018-19 included:

- Clinical governance and audit;
- Quality assurance, through self-assessment and peer review;
- Emergency Preparedness, Resilience and Response (EPRR);
- Management of Burns Critical Care Surge and Escalation.

Clinical Governance and Audit

- The SWUK ODN took part in the **Annual National Burns Morbidity and Mortality Audit** in July 2019 which is organised by the London and South East Burn Care. Five cases were presented from the SWUK ODN Regional 2018-19 Audit. These included one unexpected death, three inter-network transfers (including an EMCO transfer) and two Serious Untoward Incidents (SUIs).
- Our Clinical Lead, Dr Joanne Bowes, presented audit findings on paediatric burn injured patients in England and Wales during April 2018 to March 2019 who required **fluid resuscitation and/or intubation**. This has now become an annual part of the National Audit meeting.
- Following the publication of the revised BBA Standards, the NBODNG ensured that all services used the same audit tool developed by the LSEBN to assess compliance against the standards.
- A **Quality Assurance Toolkit** was then developed by the SWUK ODN for use by all the services to address areas of non-compliance and collate evidence which will be required for two planned national reviews in 2020 ("Getting It Right First Time" (GIRFT) and Quality Surveillance Team review).

Emergency Planning

- A major focus for the NHS is the ability to respond to a mass casualty incident. Following the publication of [The National Concept of Operations for the Management of Mass Casualties](#) in 2017 it was recognised that there needed to be additional arrangements in the event of a mass casualty incident involving burns. Specifically because there is a limited number of Burns Intensive Care Beds in England and Wales. Therefore, a Task and Finish Group was established to write a Burns Annex to accompany the main 'ConOps'. The Annex describes the efficient and effective distribution of patients and aims to minimise the derogation of care and ensure best allocation of specialised burns beds.
- The SWUK ODN became the lead Network for this project in 2019. The Burns Annex will be published in early 2020 following approval by the EPRR Clinical Reference Group.
- Public Health England ran a mass casualty exercise (Exercise Phoenix) in November 2018 to test the draft Annex. This produced a number of recommendations which will be incorporated into the Annex. A second national, mass casualty burns incident exercise is planned for early 2020.
- The SWUK ODN is also Lead Network for the revision of the [Management of Surge and Escalation in Critical Care Services: Standard Operating Procedure for Burn Care Services in England and Wales](#). This will be published in early 2020 following approval by the Trauma Clinical Reference Group

Specialised Services Quality Dashboard for Burns

Specialised burn services are delivered as part of the National Programme of Care for Trauma and the Major Trauma and Burns Clinical Reference Group. Each Specialised Burn Service submits data to the [Specialised Services Quality Dashboards \(SSQD\)](#) for metric definition sets for paediatric and adult quality indicators. Table 1 describes the quality indicators for 2018-19 along with the aspirational target for achieving these indicators.

Specialised Services Quality Dashboard for paediatric and adult burn care

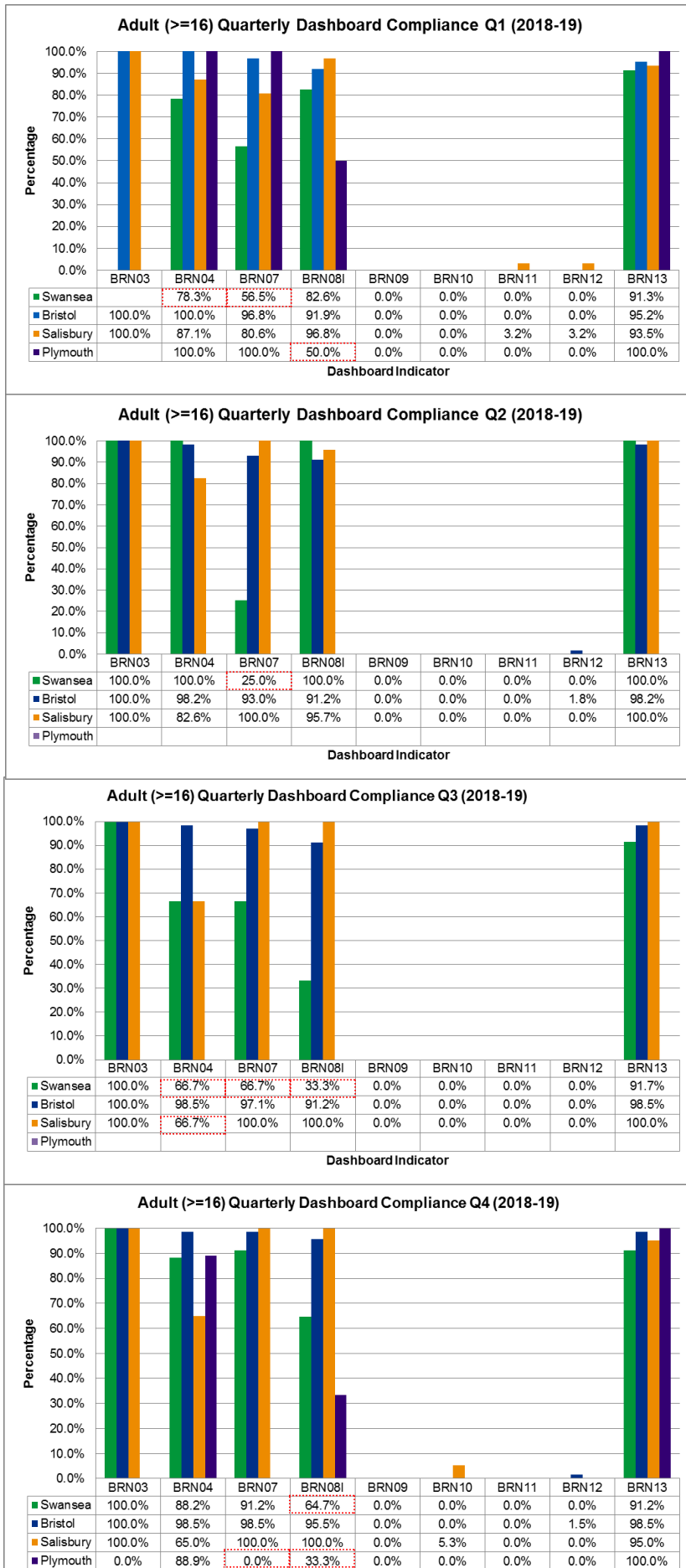
Dashboard Indicator	Name of Indicator	Aspirational Target
BRN03	% of resuscitation and/or mechanically ventilated burns (in age group) assessed by a Consultant Burns Surgeon within 12 hours of admission	75%
BRN04	% of inpatients (in age group) receiving a daily pain assessment using a validated pain assessment tool.	80%
BRN07	% of inpatients (in age group) screened for psychosocial morbidity prior to discharge from burns ward.	75%
BRN08i	% of inpatients (in age group) screened for functional morbidity within 2 working days of admission to the specialised burn service.	80%
BRN09	% of inpatients (in age group) acquiring a blood borne multi-resistant infection.	0%
BRN10	No of admissions (in age group) who died indicated as possibly unexpected deaths.	n/a
BRN11	No of admission (in age group) who survived calculated as being unexpected.	n/a
BRN12	No of inpatients (in age group) admitted to an inappropriate level of care according to the National Burn Care Referral Guidelines (2012).	0%
BRN13	% iBID Minimum dataset completed for inpatients (in age group)	80%

Each Specialised Burn Service must submit data to the SSQDs via the International Burn Injury Database (iBID). This data is uploaded to the SSQD each quarter and is used by NHS England to ensure quality and outcome measures are being achieved. It also enables the commissioners to make comparisons between burn service providers and support improvements over time.

Unfortunately, during 2018-19 there continued to be a lack of iBID administrators in post in several burn care services within the SWUK ODN. This led to no data submissions to the SSQD from Plymouth Burns Facility for quarters 2 and 3 (adults) and quarters 1, 2 and 3 (paediatrics). The Swansea Burns Centre was also unable to submit paediatric data for quarter 2. Swansea and Plymouth both resolved this situation in January 2019 by appointing new administrators. Training was provided by the Burns Audit Nurse from North Bristol NHS Trust and included additional training on iBID data entry for other members of the respective Burns multi-disciplinary teams to avoid gaps in data entry in the future.

Pages 14 and 15 provide a summary of SWUK ODN Burn Services compliance with the SSQD indicators during 2018-19. These highlighted some areas of service improvement that will be required for 2019-20. Specifically, Clinical Psychology provision in the Burns Facility at Derriford Hospital, Plymouth and increased Occupational Therapy provision to cover out patients.

Adult Specialised Services Quality Dashboard (QSSD) 2018-19



Bristol achieved all quality indicators through out the year.

Salisbury achieved all but one indicator (BRN04 in quarter 3)

All services reported zero blood borne MDRO infections

Areas highlighted indicate service below aspirational target.

Swansea was below target for:

BRN04 (daily pain assessment) in quarters 1 and 3.

BRN07 (psychosocial screening) for the first three quarters of 2018-19. There is currently at 0.96 WTE Clinical Psychologist in post covering paediatric and adult burn services. It has been identified that there is a need for a Psychology Assistant post and this will be reviewed in 2019-20.

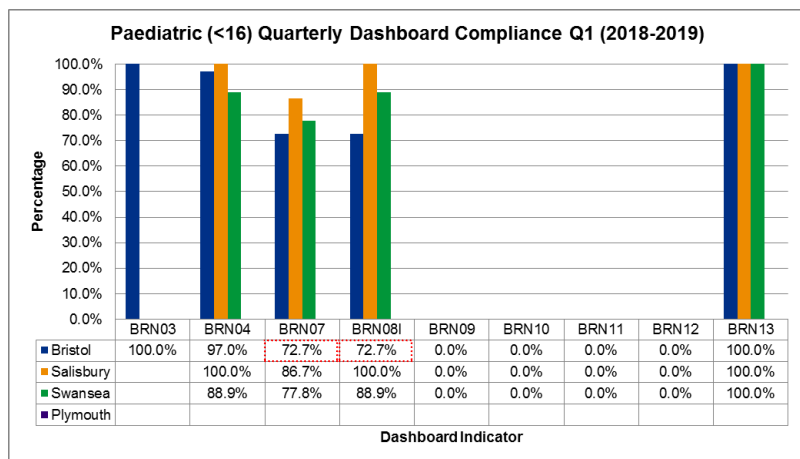
BRN08i (functional morbidity screening) for quarters 3 and 4.

Plymouth was below target for:

BRN07 (psychosocial screening) for quarter 4. On-going concerns throughout the year regarding lack of psychology provision. Added to ODN's Risk Register and Trust's Service Improvement Plan monitored by NHS England commissioners.

BRN08i (functional morbidity screening) for quarters 1 and 4. This was during a period of time when the service did not have an Occupational Therapist. Towards the end of 2019 the Trust approved a business case for a Band 7 Occupational Therapist.

Paediatric Specialised Services Quality Dashboard (QSSD) 2018-19



Salisbury achieved all quality indicators through out the year.

All services reported zero blood borne MDRO infections

Areas highlighted indicate service below aspirational target.

Bristol was below target for:

BRN07 (psychosocial screening) for all quarters except quarter 4. There is currently at 0.5 WTE Clinical Psychologist in post. It has been identified that there is a need for a Psychology Assistant post and this will be reviewed in 2019-20.

BRN08i (functional morbidity screening) for all quarters.

Swansea was below target for:

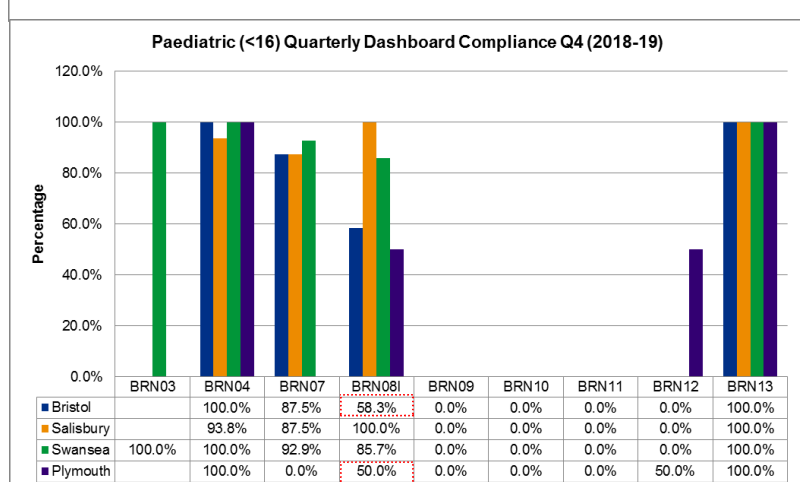
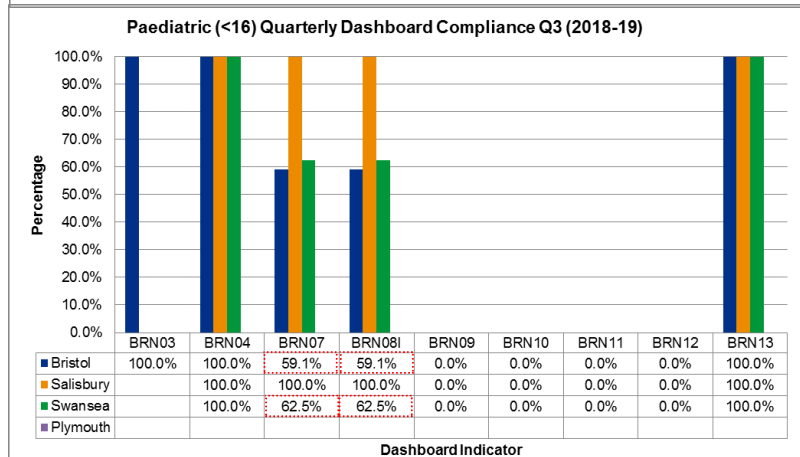
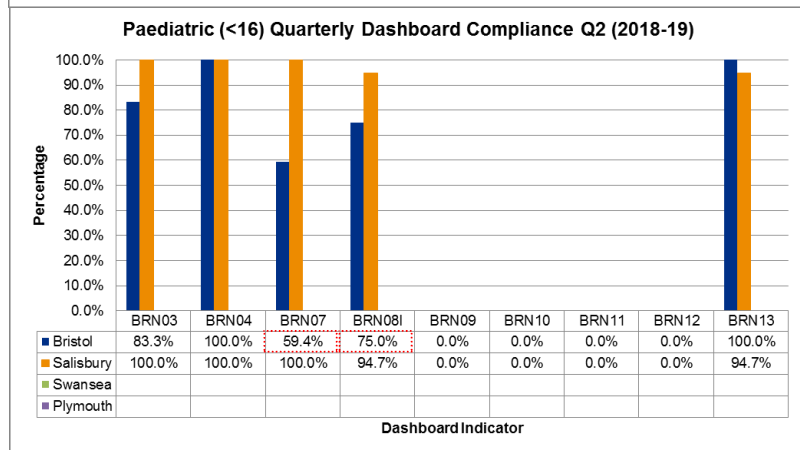
BRN07 (psychosocial screening) for quarter 3. There is currently at 0.96 WTE Clinical Psychologist in post covering paediatric and adult burn services. It has been identified that there is a need for a Psychology Assistant post and this will be reviewed in 2019-20.

BRN08i (functional morbidity screening) for quarter 3.

Plymouth was below target for:

BRN08i (functional morbidity screening) for quarter 4 (only reported quarter).

Towards the end of 2019 the Trust approved a business case for a Band 7 Occupational Therapist.



Highlights from our Burn Services

Welsh Centre for Burns & Plastic Surgery, Morriston Hospital, Swansea

Service Clinical Lead—Mr Jeremy Yarrow, Consultant Plastic Surgeon

The Welsh Centre for Burns and Plastic Surgery is based at Morriston Hospital, Swansea and is part of Swansea Bay University Health Board. It is the designated Adult Burns Centre for the SWUK Burn Care ODN, providing specialised burn care for all burn-injured adult patients from South and mid Wales and the most severely injured from the South West of England. It also provides Unit level care for children from South and mid Wales with minor to moderate burns.



Patient Activity

NEW IN PATIENT & OUT PATIENT ACTIVITY DURING 2018-19			
Total Adult Referrals:		Total Paediatric Referrals	
TBSA% Burn Injury <10%	515	TBSA% Burn Injury <10%	389
TBSA% ≥10% to <40%	10	TBSA% ≥10% to <30%	2
TBSA% ≥40%	5	TBSA% ≥30%	2
No TBSA recorded	15	No TBSA recorded	10
Total Adult Cases	545	Total Paediatric Cases	403

Unfortunately, a long term iBID administrator vacancy led to a loss of data entry, therefore the above figures are not a true reflection of the overall new patient activity during 2018-19

Clinical Governance

- There were no Serious Untoward Events or Root Cause Analysis during 2018-19.
- A total of three patients were refused due to staffing capacity. Alternative burn beds were found in another Burn Care Network.
- During Q2, a paediatric centre level burn case was accepted as there was no other burn centre beds available in the UK.
- A Risk Assessment in Q1 highlighted that the therapy room was not an ideal clinical area to provide rehabilitation for patients with MDRO. A C4C cleaning audit was undertaken and new cleaning protocols were implemented and continues to be completed every three months. The Centre is trying to find another clinical area to provide therapy for these high infection risk patients.
- During the year there were three MDRO infections with no significant issues.
- There was one transfer accepted from Bristol Burns Unit.
- There was one repatriation from Swansea to Salisbury Burns Unit.
- Despite staffing issues, the Centre has remained open all year
- Four mortalities (including one unexpected) and 26 survivors (including one unexpected) were identified for discussion at the Regional Audit meeting in June 2019 and selected cases to be discussed at the National Audit meeting in July 2019.

Specialist Staffing

Nursing:

- The adult and paediatric wards struggled with nursing vacancies, starting the year with 11.94 WTE Band 5 nursing vacancies on the adult Ward and ending the year with 8.04 WTE vacancies.
- Vacancies on the paediatric ward gradually increased with 3.22 WTE Band 5 vacancies by the end of the year.
- Band 5 monies were used to create three WTE Band 6 Burns Nurse Practitioner posts on the adult ward which were filled.

Medical:

- Substantive Burns Consultant post recruited to ensure the centre was fully staffed.

Therapies:

- One WTE Band 3 OT Technician vacancy since September 2017 which has been unable to receive approval by the vacancy panel.
- Static Band 6 Physiotherapist appointed rotating between burns and plastics for year in each.

Psychology:

- Currently a 0.4 WTE Band 8c Clinical Psychologist in post.
- Trainee Clinical Psychologist on year long elective placement until September 2018.
- Two Swansea University masters students started as voluntary honorary Assistant Psychologists in Q4 until September 2019 to undertake mainly project work.

iBID Clerk:

- Following over a six month vacancy for an iBID Clerk, a 0.8 WTE post was filled in January 2019

Education & Training

Nursing:

- Burns Assessment, referral criteria and Management skills for healthcare staff in Prisons
- Paediatric Burn Management—Health Visitors, School Nurses and Children's Community Teams
- Burns Management—District Nurses
- Overview of Burns Management—Visiting nurses from Hong Kong
- Burns Overview—Community Paediatric Nurses

Medical:

- Emergency Management of burn Injured patients—Regional Emergency Departments
- Post-burn reconstruction Teaching sessions—Regional Medical Students
- Acute Burns Management—Masters Students Cardiff
- Hyponatremia in the Burns Patient—Burns MDT
- Introduction to Burn Care—New junior doctors

Therapies:

- Physiotherapy following burn injury—Undergraduate physiotherapists
- Early Rehabilitation in Burns ITU—Swansea MDT
- The role of the Occupational Therapist in Burn Prevention for Older Adults—OT Department Swansea
- Burns therapy—Undergraduate Physiotherapy students
- Further Intensive Care training—Physiotherapy on-call staff

Patient Engagement & Education

Nursing:

- Burn Injury Prevention and First Aid—Mother and Baby Groups
- Radio interviews and articles on Dangers of the Sun and Sunburn—National Burn Awareness Day

Medical:

- Public awareness message regarding social media challenges—National press and radio interview
- Acid Burns and Acid Response Kits/first aid—National TV audience

Therapies:

- Kitchen Safety for Older Adults: A collaborative Campaign to Prevent Increasing Prevalence of Flame & Scald Injuries Occurring in the Kitchen

Presentations, Posters & Audits

British Burns Association Conference (Swansea):

Oral Presentations:

- Sourcing Allograft from a private provider – experience of a major UK burn centre;
- The effect of burns and its treatment on clot microstructure: a prospect case controlled study;

Poster Presentations:

- An evaluation of the use of goal planning in burns inpatient care;
- The use of Patient Stories in a Burns Service;
- Health Promotion with Older Adults Through Burn Prevention Programmes: A Role for Occupational Therapists;
- Kitchen Safety for Older Adults: A collaborative Campaign to Prevent Increasing Prevalence of Flame & Scald Injuries Occurring in the Kitchen;

Audit Projects:

- A retrospective review of burn injuries amongst prisoners, a ten year review;
- Nurses and Therapists Perspective on a Multi-centred Randomised Controlled Trial;
- Changing Trends in Burn Scar Surgery over 20 years at a Major Burn Centre;
- Audit of adherence to referral guidelines;
- Audit of hypernatremia in major burns.

South West UK Paediatric Burn Centre, Bristol

Service Clinical Lead—Mr Sankhya Sen, Consultant Plastic Reconstructive & Burns Surgeon

The Children's Burns service based at Bristol Royal Hospital for Children is designated as a 'Burns Centre', meaning we deal with burns of all sizes affecting a child's total body surface area (TBSA) including those with inhalational injuries. We have had another busy year seeing well over 1000 new cases. The outcomes continue to be outstanding and the whole multi-disciplinary team (MDT) must be given an enormous amount of credit for this. A brief overview of aspects of our service is below.



Patient Activity

NEW IN PATIENT & OUT PATIENT ACTIVITY DURING 2018-19	
Total Paediatric Referrals	
TBSA% Burn Injury <10%	1,238
TBSA% ≥10% to <30%	9
TBSA% ≥30%	2
No TBSA recorded	12
Total Paediatric Cases	1,261

Clinical Governance

- We have been actively involved with the Trust and Network and engaged in all aspects of Clinical Governance.
- There were no mortalities and no Serious Untoward Incidents (SUIs) or Root Cause Analyses (RCAs) .
- There was one period of closure, during which time a teenage patient had to be transferred to Swansea, as there were no paediatric beds available nationally at that time.
- The relative lack of therapy space within the Trust has been placed on the Trust's risk register (for all paediatric services).
- The requirement for thermoregulated, pressure controlled cubicles in our PIC is part of the hospital's expansion plan.

Specialist Staffing

Medical:

- Despite a long-term consultant vacancy, we continue to cover this role internally. This is not without issue, however, we continue to deliver outstanding care.

Nursing:

- The nurses too are to be commended, in particular our Ward Manager, Vicky Hughes, who ensures our Burns ward and High Dependency Unit are always staffed by appropriately trained nurses.

Therapy:

- We recruited to our Band 7 Physiotherapist position and plan recruitment of a band 7 Occupational Therapist. We look forward to welcoming them into our service.

iBID:

- We have also recruited an iBID clerk to improve our data capture.

Education & Training

We have a very active teaching and training programme undertaken by all members of our Burns MDT, in particular by our Outreach nursing team. Beyond our on-going local teaching, training and support of staff and referrers to our service, highlights include:

- Raising awareness of the telemedicine referral system, which has been undertaken by our Outreach nurses, across the region.
- Participation in a SWUK ODN Burns Study Day in Jersey. This was undertaken in collaboration with colleagues from the Salisbury Burns Unit.
- Participation and invited presentations at the SWUK ODN 'Preparing for Burns Mass Casualty Incidents' study day.
- Presentation on the role of psychology and the psychological impact of burn injury at a Paediatric Wound Conference.



Patient Engagement & Education

We continue to be actively involved in raising the public's knowledge of burn prevention, first aid and our service. We participated in the National Burns Awareness Day and our Outreach team is to be commended on their efforts in educating new mothers through their regular 'Baby and me' sessions.



Presentations, Posters & Publications

We are very active in all aspects of audit, research and quality improvement. Members of our MDT are frequently invited to lecture both nationally and internationally. As always, we had several posters and oral presentations accepted at the British Burns Association (BBA) annual conference. Highlights include:

British Burn Association Conference (Swansea):

Oral presentations:

- Dr Amber Young was invited to give the annual Wallace Lecture at the BBA conference, entitled 'Improving Outcomes for Patients with Burns: Is research the answer?'
- 'What goals are used to guide resuscitation in children with burns?'

Poster presentations:

- 'The psychological effects of burn itch in children and their families, an exploratory study.'
- 'Are outcomes affected by gender following scald injury?'

Wound Research Network (WReN) conference:

Oral presentations:

- 'How is presence of burn wound infection assessed in studies evaluating interventions for burns?'
- Clinical outcome reporting in burn care research.

Health Services Research UK (HSRUK) Conference:

- Burns Family Growth Study

Bristol Burns Adult Unit, Southmead Hospital, Bristol

Service Clinical Lead—Mr Sankhya Sen, Consultant Plastic Reconstructive & Burns Surgeon

The Adult Burns Service based at Southmead Hospital, North Bristol NHS Trust, is designated as a Burns Unit. This means that we deal with burns involving up to 40% of an individual's total body surface area (TBSA). However, if they have inhalational injuries, this number reduces to 25% TBSA. We have had another busy year, perhaps our busiest for several years, in terms of larger burns. However, the outcomes have been outstanding and the whole multi-disciplinary team must be given an enormous amount of credit for this. A brief overview of aspects of our service is below.



Patient Activity

NEW IN PATIENT & OUT PATIENT ACTIVITY DURING 2018-19	
Total Adult Referrals:	
TBSA% Burn Injury <10%	1367
TBSA% ≥10% to <40%	38
TBSA% ≥40%	2
No TBSA recorded	0
Total Adult Cases	1416

Clinical Governance

- We have been actively involved with the Trust and Network and engaged in all aspects of Clinical Governance.
- Two events required Route Cause Analyses (RCAs) and these were discussed extensively within the Trust, Network and Nationally. Learning points for our allied services were highlighted.
- There were two deaths, however, given the severity of the injuries both were deemed unsurvivable and appropriate palliation initiated.
- There were no significant infection control issues and no cases of MDROs.
- The service closed twice for short periods; one due to staffing levels and the second due to a failure of the heating system.

Specialist Staffing

Medical:

- Despite a long-term Consultant Surgeon vacancy, we continue to cover this role internally. This is not without issue. However, we continue to deliver exceptional care.

Nursing:

- The nurses too are to be commended, in particular our Clinical Nurse Specialist, Karen Highway) and Ward Manager (Johanna Thomas), who ensure our Burns ward is always staffed by appropriately trained staff, despite some vacancies.
- Three nursing staff successfully passed the Emergency Management of Severe Burns (EMSB) candidate course in September 2018.

Therapy:

- Our Band 7s Occupational Therapist (Alison Guy) and Physiotherapist (Amanda Dufley) continue to support and train their more junior colleagues.

Psychology:

- We also welcomed a new Consultant Clinical Psychologist to the team in November 2018.

iBID:

- Anthony Sack, Research & Audit Nurse, continues to support and train new iBID administrators in other burn services within the ODN.

Education & Training

We have a very active teaching and training programme undertaken by all members of our Burns MDT. Beyond our on-going local teaching, training and support of staff and referrers to our service, highlights include:

- An Emergency Management of Severe Burns (EMSB) candidate course run by a faculty made up predominantly of staff from the Swansea and Bristol services. Our Clinical Nurse Specialist also provided support at the first EMSB course run in Belfast, Northern Ireland.
- Bristol hosted the 'Burnt Hand Study Day'; a national study day for the British Burns Association Therapy Specialist Interest Group.
- We ran a Burn Casualty simulation day, jointly with our ICU colleagues, for the regional Plastic Surgery and Intensive Care trainees.
- A lecture on the assessment of a patient's psychological needs in the context of burn injury.

Patient Engagement & Education

- We continue to be actively involved in raising the public's knowledge of burn prevention, first aid and our service. We participated in the National Burns Awareness Day and our stand in the main atrium of Southmead hospital proved popular with patients, carers, the general public and staff alike!
- Our Clinical Nurse Specialist also attended a National Burns Camp for Young Adult Burns Survivors.

We are very active in all aspects of audit, research and quality improvement. Members of our MDT are frequently invited to lecture both nationally and internationally. As always, we had several posters and oral presentations accepted at the British Burns Association annual conference. Highlights include:

British Burn Association Conference (Swansea):

Poster presentations:

- A novel adjunct to maintaining intra-operative core temperature in paediatric burns care.
- Dressing for Disaster.
- What do burns nurses know about silver dressings.
- How do UK Burn Services provide cardiovascular exercise programmes for patients with burns?

Invited International Lectures:

- Acute Burn Surgery in resource poor environments. Invited lecture. 2nd International Burns Symposium and Inaugural Meeting of the Pakistan Burn Association, Lahore, Pakistan
- Early Burn Excision. Invited lecture, Copenhagen University Hospital, Denmark.

SWUK ODN Regional MDT Conference:

- The National Young Adult Burns Association Camp: an overview. Oral Presentation, SWUK ODN Regional MDT Conference.
- Research presentation on the antibiotic efficacy study
- NJ Feeding Tubes in Patients with Burn Injuries

Publications:

- The SILKIE (Skin grafting Low friction Environment) study: a non-randomised proof-of-concept and feasibility study on the impact of low-friction nursing environment on skin grafting success rates in adult and paediatric burns. BMJ Open

Presentation, Posters & Publications

Paediatric and Adult Burns Unit, Salisbury District Hospital, Salisbury

Service Clinical Lead—Mr Eunan Tiernan, Consultant Plastic Surgeon

The Salisbury Burns Unit is based at Salisbury District Hospital which is part of Salisbury NHS Foundation Trust. It is a regional service covering a population of approximately 3.5 million within a catchment area comprising Wiltshire, Hampshire and the Isle of Wight, Dorset and the Channel Islands. The Burns Unit provides care for both adults and children with small to medium sized burns. It also provides a Paediatric Outreach service for children and their families at home.



Patient Activity

NEW IN PATIENT & OUT PATIENT ACTIVITY DURING 2018-19			
Total Adult Referrals:		Total Paediatric Referrals	
TBSA% Burn Injury <10%	451	TBSA% Burn Injury <10%	291
TBSA% ≥10% to <40%	15	TBSA% ≥10% to <30%	1
TBSA% ≥40%	1	TBSA% ≥30%	0
No TBSA recorded	0	No TBSA recorded	0
Total Adult Referrals	467	Total Paediatric Referrals	292

Clinical Governance

- No Route Cause Analysis (RCA) or Serious Untoward Incidents (SUIs) recorded
- No MDRO or infections reported.
- No inappropriate referrals or transfers to Burn Service
- There was one refusal due to no ITU bed in Salisbury. The patient was transferred from Bournemouth directly to Swansea.
- Unfortunately, the service had to close between 18 and 22 October 2018 due to capacity and staffing skill mix available.
- Two deaths were recorded and six patients were repatriated to Salisbury from within the Network (3 x Bristol and 3 x Swansea). All these case will go forward for discussion at the Regional Morbidity & Mortality Audit Meeting June 2019 and selected cases will be discussed at the National M&M Audit Meeting in July 2019

Specialist Staffing

Nursing:

- Early in the year nursing vacancies were high with 7 WTE vacancies. During Q3 this increased to 7.7 WTE vacancies and by Q4 Registered Nurse vacancies were down to 3 WTE.
- The Clinical Nurse Specialist covered Ward Manager role vacancy which resulted in slow progress on burns competencies and other teaching on the paediatric ward.
- Nursing staff were supported by medical staff to ensure referrals and admissions were dealt with by appropriately trained staff.
- A new Ward Manager was recruited in September 2018 and the Clinical Nurse Specialist returned to her role.
- The Paediatric Outreach Nurse role was extended to provide 11.5 hours a week of support on the paediatric ward with burn injured patients.

Medical:

- No issues

Therapy:

- No issues

Psychology:

- No issues

Education & Training

Nursing:

- Burns and Scalds Study Day—Nursing and Therapists
- Burns Assessment and Management—Emergency Department doctors
- Burns Assessment and Management—South Western Ambulance Service NHS Foundation Trust Ambulance Stations across Wiltshire, Dorset and Devon
- Burns Study Day— Jersey Nursing and Medical Staff
- Burns Assessment and Management—Preceptorship first year trained nurses
- Burns Assessment and Management—Poole Hospital F2s
- Referrals to MASH—Social Workers and Health Visitors
- Burns Dressings—SpRs
- Taking new paediatric burn referrals—Sarum Ward Sisters
- Simulation of a major burn—Sarum Ward Sisters

Medical:

- Jersey Burns Study Day— Nursing and Medical Staff

Therapies:

- Burnt Hand Study Day for the BBA Burn Therapy Specialist Interest Group—Physiotherapists and Occupational Therapists
- Impact on long inpatient stay on developmental milestones

MDT:

- Two Burns and Scalds Study Day—Emergency Department, Minor Injury Units, GPs and internal staff

Patient Engagement & Education

Nursing:

- National Burns Awareness Day—General Public
- BUGs Burn Camps



Presentation, Posters & Publications

SWUK ODN Regional Research Conference:

- Design of an RCT to evaluate the effectiveness of Pulsed dye laser (PDL) for the treatment of hypertrophic burns scars

Paediatric & Adult Burns Facility, Derriford Hospital, Plymouth

Service Clinical Lead—Ms Jolita Zakaraite, Consultant Plastic Surgeon

The Plymouth Burn Facility is based in Derriford Hospital Plastic Surgery Department and is part of University Hospitals Plymouth NHS Trust. It treats approximately 500 patients a year with minor burns from Cornwall and Devon. The majority do not require in-hospital stay. The Facility provides services for adult and paediatric patients, with paediatric outreach support provided by SWUK Children’s Burn Centre. Moderate and major burns are transferred to the Bristol Children’s Burn Centre.



Patient Activity

NEW IN PATIENT & OUT PATIENT ACTIVITY DURING 2018-19			
Total Adult Referrals:		Total Paediatric Referrals	
TBSA% Burn Injury <10%	371	TBSA% Burn Injury <10%	161
TBSA% ≥10% to <40%	7	TBSA% ≥10% to <30%	0
TBSA% ≥40%	1	TBSA% ≥30%	0
No TBSA recorded		No TBSA recorded	
Total Adult Referrals	379	Total Paediatric Referrals	161

Clinical Governance

- Implementation of the MDSAS Tele-referral system was a success in reducing inappropriate referrals and avoiding unnecessary long distance travel for burn-injured casualties.
- Long term sickness of data clerk and subsequent vacancy resulted in a 12 month backlog of data entry (reduced to 6 months by the end of the year). Therefore the Specialised Services Quality Dashboard (SSQD) for 2018-19 was not complete.
- A lack of a Clinical Psychologist has continued to be of concern and now breaches the recommendations of the BBA Standards stating that psychology provision is an essential for Burn Facilities. This has been added to the Trust’s Service Improvement Plan by the Quality Surveillance Team. We hope to resolve this in 2019-2020.
- The consultant body for Burns and Plastics went down from eight to four. By Q4 a Locum Consultant was appointed. The Trust will be appointing a new Consultant and Locum in Summer 2019 and two substantive Consultants are due back to work in May 2019.
- Four patients were repatriated to Plymouth from within the SWUK ODN.
- One mortality was reported which was discussed at the Regional M&M Audit
- No MDRO/infections reported

Specialist Staffing

Nursing:

- Clinical Nurse Specialist post vacant since Q1 and one Nurse Practitioner vacancy

Medical:

- As above

Therapy:

- Occupational Therapy support is only available for in-patients. A business case was approved for a Band 7 Occupational Therapist in Plastic Surgery Department.

Psychology:

- As above

iBID:

- No iBID Administrator for most of 2018. Recruited in January 2019.

Education & Training

Nursing

- In-house Burns Assessment and Management sessions—Physiotherapists
- In-house Burns Assessment and Management sessions—Healthcare Assistants
- In-house Burns Assessment and Management sessions—Paediatric Block Training Staff Nurses, Student Nurses and Healthcare Assistants
- Burns Assessment and Management sessions— Medical and nursing staff in prisons
- Burns Assessment and Management sessions—Community Children Nurses
- Burns Assessment and Management sessions— Various Emergency departments, Minor Injury Units and Walk In Centres in Devon and Cornwall
- Burns Assessment and Management sessions—University of Plymouth Medical Students

Medical

- Management of Minor Burns—junior doctors

MDT

- iBID training for new iBID Administrator as well as other members of the MDT to ensure iBID data entry continues during periods of annual leave and sickness.
- Aiming to run an EMSB Course in Plymouth in 2020-21.

Patient Engagement & Education

Nursing

- Burns prevention and First Aid—Parent groups Children's Centre

Presentation, Posters & Publications

British Burn Association Conference (Swansea):

- A 3-cycle Quality Improvement Project on Improving Quality of Assessments and Documentation of Burns Patients in a Burns Facility—Poster presentation

SWUK Burns ODN Annual Research Meeting:

- Experience with a Telemedicine Referral System at a Burns Facility.

Acknowledgements

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Further information about the SWUK ODN and our work is available on the our website:

www.southwestUKburnnetwork.nhs.uk

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