



**December 2021**  
Winter Edition



## Introduction by the Network Clinical Lead

It has now been a little over three years since the North Network went live, and with the opening of the last two MTCs, we now are a Scottish Trauma Network. The SE and West regional networks went live in August which means the STN is fully functioning across Scotland (more back page).

Of course, for two of those years we have been in the midst of a pandemic. What we would have had to navigate as a new Network would be complex at the best of times, in the current climate, extraordinary. I was also reminded in a small way this week (as my daughter is isolating (she is well) along with most of her primary class) that the pandemic has meant for all of us far less distinction between the professional and the personal, and the pressures, at times, have been considerable.

As it has been three years it would be customary to list some of the achievements of the Network, while there are many concrete improvements, I find myself reluctant to do so.

For me there is really only one success, that is the ongoing commitment to the idea of the Network, as everything else flows from that. The recognition that drove the development of the STN was the idea that the complexity and needs of those patients with Major Trauma demanded a coming together, collaboration across specialties and boundaries, of collective investment, over time, to achieve the best outcome.

One of the great privileges of being Lead for the network has been to see this collective, generous, and expert approach in action. From the earliest moments of injury, through to the ongoing care in people's homes, and everything in between.

Over the last two years it would have been easy to let go of this aspiration to have a pathway, to re-treat back into familiar departments, professions and boards, thinking only about our little bit of the puzzle.

It is humbling to see how (despite everything) this has not happened. Your commitment, openness, the courage to ask what could be better, and the determination to actually make things better, even in the face of COVID, can only be called extraordinary.

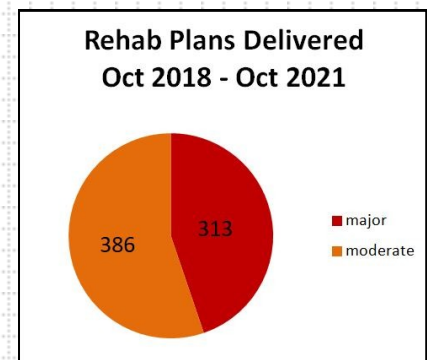
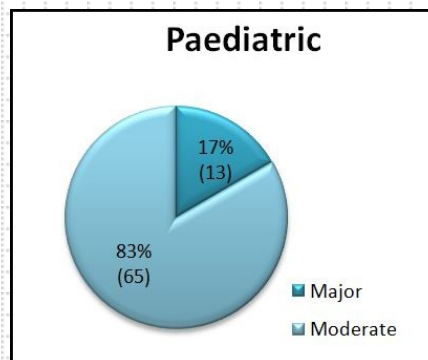
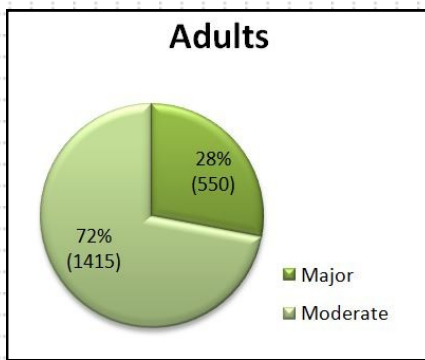
For that you have the gratitude of your colleagues and the people we care for.

Thank—you

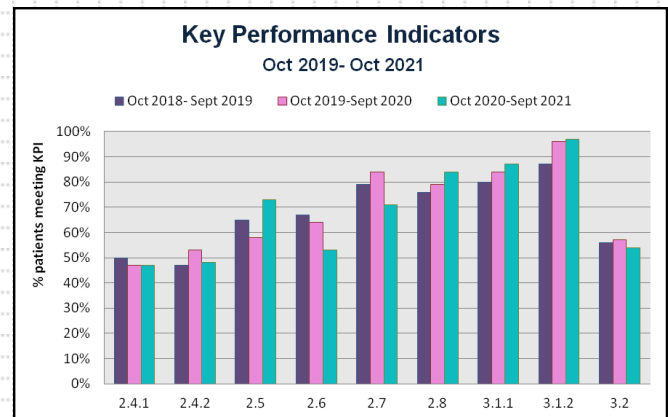
**James Anderson, Network Clinical Lead**



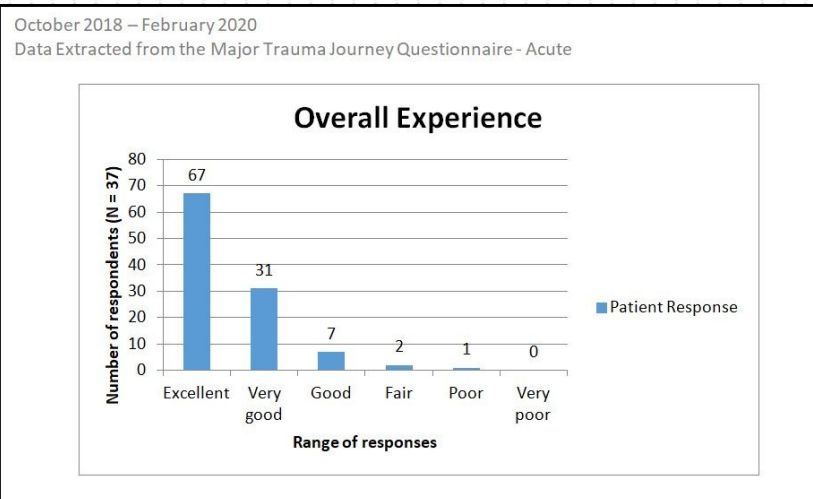
# North Network Statistics for Oct 2018 - October 2021



| KPI Ref No. | Short Description of KPI  |
|-------------|---|
| 2.4.1       | CT head within an hour  |
| 2.4.2       | CT Head reported within one hour of scan                        |
| 2.5         | MTC treatment for a patient with a head injury                  |
| 2.6         | IV Antibiotic for open long bone fracture within 3 hours        |
| 2.7         | TXA given re severe haemorrhage within 6 hours of first contact |
| 2.8         | Admitted under the major trauma service                         |
| 3.1.1       | Rehabilitation Plan written for major trauma patients           |
| 3.1.2       | Rehabilitation Plan written within 3 days                       |
| 3.2         | PROMS for major trauma patients                                 |



## Patient Feedback - MT Journey Questionnaire



ICU and HDU staff were fantastic. Explained the challenging situation very clearly, encouraged us to ask any questions, supported the family, so kind and

Being involved in decisions regarding my care. I liked being involved in the discussions. Giving me ownership.

The team approach and care is excellent. Everything explained as best it can be.

## Email Governance

With regards to e-mail security when sending to other organisations, the intranet cyber security pages says the following:

All staff must ensure they use the phrase **[SECURE]** within the email title or subject, in all circumstances when they are sending emails containing sensitive business, personal or patient identifiable data to another organisation, and where the recipient is not using an NHS.SCOT email address.

The use of the phrase **[SECURE]** for external communications containing sensitive information is mandatory. By using **[SECURE]**, the NHS Mail system will then perform technical tests to determine if the receiving mail system is indeed secure.



## Network Video

We have created a short film using Animaker to highlight the Network's aims and progress during our three year journey.



Follow this link to view: [https://www.youtube.com/watch?v=uOOj8qegV\\_8](https://www.youtube.com/watch?v=uOOj8qegV_8) or copy the link into your web browser. We hope you find it informative and reflective of the Network's journey so far.

## Network Partnerships

Throughout October we shared information from some of our partnerships on Social Media (Twitter & FaceBook). We contacted them to ask for facts and figures to highlight the work they do and to promote the success of the Network as a whole.



**Basics Scotland** shared some links to articles about:

Doctors responding using Green Beacons <https://basics-scotland.org.uk/>

Simulation vehicle for road traffic collision training [click here](#)

A year as a pre-hospital doctor in the Hebrides <https://www.rrh.org.au/journal/article/6115>



## Sandpiper Trust

Did you know? The Sandpiper Trust equip specially trained medical professionals with life-saving medical equipment in what are known as ‘Sandpiper Bags’. The map below illustrates their locations across the North of Scotland.



Watch this informative YouTube [video](#) showing GP Dr Ewan McLeod explaining the Basics responder kit bag, that is funded by the Sandpiper Trust, and is primarily used for saving lives in rural Scotland.

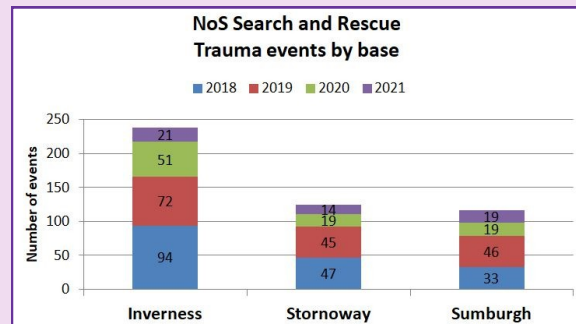
## EMRS North (Emergency Medical Retrieval Service)



EMRS have been working in partnership with the North Trauma Network since they went live in April 2019. They are based at Dyce Airport, Aberdeen, and since going live they have been tasked on 455 primary missions (999 pre-hospital calls) in the North. Most primary missions are trauma related. For secondary missions (retrieving patients from healthcare facilities) the balance is different with more being non-trauma. EMRS have been tasked on 347 secondary missions and taken 254 advice calls in the North since April 2019.

## Search and Rescue (SAR) Coastguard

Over the last 3 years SAR have been tasked to 480 trauma events across their 3 bases in the North of Scotland; Inverness, Stornoway and Sumburgh.



## HIGHLAND



## PICT Service, Raigmore Hospital, Inverness

The PICT (pre-hospital immediate care & trauma) team provide major trauma patients in the Highlands with Physician/Advanced Practitioner response to Major Trauma, Cardiac Arrest, Paediatric and Adult Medical Emergencies. Aug 2020 to Sept 2021 marked the expansion of the PICT response team, with funding from the NoSTN.



## ...PICT Service continued

In that time the team responded to 529 Trauma taskings by SAS. 188 involving traffic/transportation accidents, their locations plotted on the map (right).

The Advanced Practitioners within the PICT response team come from both **SAS paramedic and senior nursing backgrounds**, with extensive hospital based training in managing critically ill and injured patients. **A quick launch response car** based at Raigmore Trauma Unit has proven itself a critical resource for timely responses to incidents across the Highlands.

The NoSTN PICT team have pioneered in Scotland the safe and routine provision of **pre-hospital regional anaesthesia** for **femoral shaft and neck fractures**. Trauma patients with femoral fractures receive the often profound relief of a nerve block on average 2h36mins earlier in their journey if attended by the PICT team at Raigmore, Inverness. This approach is hoped to be trialled by other teams in the wider STN in coming years.



## Allied Health Professions Day 2021

Jackie Burnett (Physiotherapist Major Trauma Team, MTC) recently recorded a video for AHPs Day on 14th October, to explain why she wanted to become a physiotherapist. You can watch and listen to Jackie's story here:



<https://www.youtube.com/watch?v=h5UG932N-MI&t=110s>

You can also follow the Grampian Acute Physio team on Twitter [@gramacutephysio](https://twitter.com/gramacutephysio)

## Trauma Unit (Raigmore)

**Luke Regan, Trauma Unit Clinical Lead & PICT Clinical Lead**



### Highlights from Highland

- PICT Advanced Practitioners commencing masters research modules
- Raigmore Multiagency Trauma Roadshow, with SAS/ PICT/NHSH
- Regular programme of Multiagency RTC extrication training established with FRS/SAS/PICT
- Fortnightly remote teaching programme established PICT
- TU SAS post-box project established
- Implement TU and specialist rehabilitation and community patient feedback questionnaire
- Implement TU and specialist rehabilitation and community patient feedback questionnaire
- Caithness AHP post advertised
- New TU physiotherapy appointee in post and increasing integration with existing MT physiotherapy team
- TU multiagency Secondary Transfer training HiCCT performed
- European Trauma Course 12/13/14 November
- Trauma Roadshow Raigmore-Fort William in November

## MTC Update



**Fiona Whyment, MTC Nurse Manager**

We continue to be very busy with code red trauma calls. There has been some really good team working across the network ensuring patients are repatriated to the right place in a timely manner. Its been great to have other parts of the Scottish Trauma Network go live and we look forward to building our relationships with them as time goes on. A network review has been carried out of the single Point of Contact (SPOC) and the guidance is being updated and new HCSWs in specialist rehabilitation have been appointed.



**Network Paediatric Lead** The Network would like to thank **Dr Catharina Hartman** for the sterling support she has given the north of Scotland as she steps back from her role as Network Paediatric Clinical Lead. She will be sorely missed from the network leadership team. Plans for a replacement paediatric lead are in



**Network Education Lead** The Network would also like to thank **Ms Louise McCullough** for her guidance identifying the educational needs of allied health practitioners, nurses and medical staff working with the Major Trauma Network.

## Channel 4 Trauma Documentary

Firecrest have completed filming and we look forward to seeing the final cut! Release date TBC...





## NoS Trauma Education Sessions



**Friday 26th November**—Introducing the North of Scotland Patient eRehab Plan

**Friday 17th December**—Cardiac Trauma cases

Previous adult & paediatric session recordings can be found here: <https://www.nhsscotlandnorth.scot/networks/trauma/education>



Thanks to Mr Alan Curnier (NHS Grampian) for presenting on Burns Management in August and to Martin Esposito (SAS) for a Network Approach on Needle Chest Decompression in October. Both sessions were well attended and received positive feedback.

## Virtual Annual Event

**1st October 2021**

Due to service pressures the difficult decision was taken to postpone our annual event until Spring next year. Watch this space...



## Courses funded by the Network

### September 2021

- eRehab training
- Secondary Transfer Training

### October 2021

- Orkney Paediatric Training - Mobile Skills Unit

### November 2021

- Paediatric Advanced Cadaveric Surgery (PACTS) Newcastle Surgical Training Centre
- Trauma Care After Resuscitation (online)
- Paediatric Care After Resuscitation (online)
- European Trauma Course @ Raigmore
- Trauma Risk Management (TRiM) Practitioner refresher training (x13)
- Cambridge Trauma Futures 2021 (online)



### December 2021

- Definitive Surgical Trauma Skills @ RCSEd

### January 2022

- Trauma Risk Management (TRiM) Practitioner refresher training (x3)
- Initial practitioner training (x8)



## MTC Paediatric Education Sessions

In addition to our monthly Trauma education sessions (above) the MTC also host their own Paediatric Education Sessions each month. These sessions are also recorded and can be viewed on the same link as above. The next session is:

**Friday 10th December**

**Focussing on Psychology**

For more info please email [gram.nosmtc@nhs.scot](mailto:gram.nosmtc@nhs.scot)



## ETC—Raigmore

The network funded ETC training on 12/13/14 November at Raigmore Hospital for staff from Inverness, Fort William and Caithness.

This is the second ETC in the north this year as one was also held in Aberdeen in June.





## TRiM Enquiries

can be emailed to our dedicated mailbox [gram.trim@nhs.scot](mailto:gram.trim@nhs.scot) and a TRiM manager will respond to you asap.

## Secondary Transfer Training #2

Following training at ARI in May using new iSimulate equipment funded by the network, a second round of training was delivered at ARI in September (thanks to Dr Roxy Bloomfield for her Tweets and photos). We hope to deliver this in Inverness & Elgin in the new year.

Another round of the Interhospital Transfer of the Critically Ill course complete! Great teamwork demonstrated by the candidates - hope to see it in action soon! #safertransfers   @Abdn\_Anaesth @AberdeenCUEdu @VA\_Johnston @leanekitch @Gregor\_McIntosh





## Orkney Paediatric Trauma Training

In September a team of two doctors, three nurses and a trauma co-ordinator from **RACH** flew to the **Balfour Hospital in Orkney** to deliver two days of paediatric trauma training. Twenty people from their ED participated in simulation scenarios covering abdominal/chest trauma, Major Haemorrhage Protocol, head trauma and cervical spine injuries. The day started with some videos on completing the paediatric primary survey and good trauma briefs. We then broke up into two groups with a mix of medical and nursing staff in each. The simulations were performed followed by a learning conversation then the two groups were brought together to do some theory based learning. The same was repeated in the afternoon with a different simulation scenario. We were also able to deliver updates on basic paediatric care to the ward nurses. This included PEWS, A-E assessment of the unwell child and assessment of a child with a head injury.



**The Mobile Skills Unit** (below) attended for the two days and provided excellent additional space for running the scenarios. The discussions following the scenarios were brilliant with really enthusiastic and engaging participants enabling not only the attendees but the faculty to learn. The peer support amongst the Balfour team was evident and they are clearly a tight knit community. Topics covered in the discussions included child protection within trauma, incivility in the workplace and childhood death management. Feedback was really positive and also identified areas where we could improve our delivery if we ran it again. These included providing some pre-course learning materials and going over some basic paediatric concepts prior to undertaking the simulation. Our hope is that similar training will be delivered at all other remote sites over the next couple of years. Thank you Orkney for having us. We will definitely be back!



*"It was taught/facilitated in a very supportive and empowering way and I have the upmost of respect for how knowledgeable/skilled/kind/supportive/encouraging the faculty were"*

*100% of participants found the discussions in the debriefs/learning conversations useful*

*"Great to hear from the experience of paediatric specialists. Would like more time with them doing more scenarios!"*



*"It felt like a course that there would be a 3 year waiting list and a £400 price tag for that we somehow got for free!"*

*"thoroughly enjoyable training which was tailored to our needs. Allowed opportunity for discussion and local context"*



## STN Update

Alison Gilhooly, STN Programme Manager

The Scottish Trauma Network was delighted that the final pieces of the network jigsaw went live on 30<sup>th</sup> August 2021. The opening of the Edinburgh and Glasgow MTCs, the launch of their surrounding regional networks, and the launch of the Major Trauma Triage Tool in those regions, along with the Paediatric Triage Tool for the whole of Scotland went ahead on that date, and I'm sure you will join us in celebrating that. Unfortunately we were not able to celebrate in style as we hoped due to Covid, but Glasgow went all out in their decorations! We hope to make a more formal announcement in the coming weeks with ministerial visits to both MTCs.



We were equally pleased to virtually celebrate with the North of Scotland for your anniversary in October. Congratulations on your third anniversary. It's been a strange 18+ months, but throughout you have continued to provide an excellent service to the seriously injured across Scotland, which has not gone unnoticed.

Laura Stewart, Senior Educator for the STN has continued to work with teams around the network to produce the NMAHP Development Framework for Major Trauma Care. Levels 5-8 are in final draft and a focus group has been held for HCSW, which will be developed in line with the up-coming generic NES NMAHP Development Framework for levels 2-4. There is still some work to be done to make the Framework "Trauma Informed", and this will be completed prior to publication.

In our last update, we mentioned that we were starting to share further resources on our website. Please have a look on the Paediatric and Education pages <https://www.scottishtraumanetwork.com/our-work/education-learning/> to see new resources that have been made available in recent weeks, I hope that you will find these helpful to your practice. If you have any further suggestions or recommendations for resources, please do let us know [nss.scottrauma@nhs.net](mailto:nss.scottrauma@nhs.net)

We are looking forward to seeing the Trauma Documentary made by Firecrest, and have heard lots of good reports from the production team. Thanks to all of you who have been involved in making the documentary in Aberdeen, this is a fantastic opportunity for us to celebrate and demonstrate to the public the excellent work that has been undertaken over the past 5 years in developing and implementing the network.

**WE WISH YOU A VERY MERRY CHRISTMAS AND A  
HEALTHY, HAPPY NEW YEAR!**



**WE LOOK FORWARD TO WORKING WITH YOU ALL IN 2022.**



Support the SCAA and buy your Christmas cards here <https://www.scaa.org.uk/browse>