Meeting Date	**25 October 2022**	**Agenda Item**	**5.2**
Report Title	**Update from the South Wales Major Trauma Network**		
Report Author	Andrea Bradley (Network Manager, SWTN)		
Report Sponsor	Sian Harrop-Griffiths (SRO, SWTN)		
Presented by	Andrea Bradley (Network Manager, SWTN)		
Freedom of Information	Open		
Purpose of the Report	To provide SBUHB Management Board with an updated position from the South Wales Trauma Network (SWTN) Operational Delivery Network (ODN).		
Key Issues	Nil issues at ODN level. Any South Wales Trauma Network issues updated and included via the Delivery Assurance Group (DAG) report and the governance section of the report.		

Specific Action Required ***(please choose one only)***	**Information**	**Discussion**	**Assurance**	**Approval**
	☒	☐	☐	☐

Recommendations	Members are asked to: 1. **Note** content of report. 2. **Note** continuing excellent progress across the work through quarter 1 of the ODN establishment 3. **Note** the key actions for the next quarter. 4. **Note** the SWTN mitigation and impact around the recurring risks **Note** that there are no risks to Swansea Bay as host organisation of the ODN

Overview of the Operational Delivery Network for the South Wales Trauma Network

1. INTRODUCTION

The South Wales Trauma Network (SWTN) launched on September 14th 2020. The formal evaluation programme for the operational network began in March 2022 when the first year of operational data was made available. The external Peer Review process began during November 2021 where evidence gathering was required across all participant organisations and culminated with the peer review interview process that took place in late March 2022. TARN data for the full year effect was made available in early March 2022 and alongside other measurable metrics informed both the peer review and has been utilised for the formal one-year evaluation being carried out in collaboration with Swansea University.

The Operational Delivery Network (ODN), Major Trauma Centre (MTC) and orthoplastic services are commissioned by WHSSC. WAST and EMRTS Cymru are commissioned by EASC. The remainder of the service is commissioned by LHBs.

SBUHB (as the host of the network) has an MOU in place with all organisations and the ODN discharges its clinical governance responsibilities and 'operational authority' (in relation to patient flows) through its clinical and operational board to WHSSC (via the SWTN Delivery Assurance Group). It also reports into the SBUHB Management Board and Q&S Committee respectively. The role of SBUHB is described in detail in the MOU with organisations. It has been agreed that quarterly update reports will be provided to the Swansea Bay UHB Management Board and Quality and Safety Committees as part of the governance process.

2. BACKGROUND

Some key points to note from Q1 2022/23 are set out below, the detailed information is contained in **Appendix 1**.

- There continues to be a high number of patients accessing the MTC either by a primary or secondary transfer
- 85% of admissions are due to road traffic accidents and falls (inc falls below and above 2 meters)
- Just 15% of patients discharged from the MTC required repatriation to their local Health Board hospital
- Compliance against the daily sitrep remains variable. The network team are working with the sites who have poor compliance
- 61 TRiDs were submitted with a wide variety of themes

3. GOVERNANCE AND RISK ISSUES

There is a live risks and issues log that is presented to the Clinical and Operational Board meetings. The latest Risk and Issue Registers are attached as **Appendix 2 & 3** respectively.

There are currently 24 risks identified. The ODN team committed to undertaking a review of the risks & Issues logs both to ensure all are still relevant for the SWTN, removing those that have reduced and/or can be considered at a level to tolerate and providing a reflection of the outcomes from the recently undertaken peer review process. The review was completed at Clinical and Operational Board (21/7/22).

There are no risks that are currently highlighted as a red RAG rating.

There are currently 5 live issues. One issue is a high priority, and the mitigations can be found in the attached Issue Register as **appendix 3**:

- **Trauma Team Activation- ODN has started a process of benchmarking across other MTNs around 2 tier trauma team activations**

Mitigation- Trauma team activation issues noted across 6 Health Board's via the peer review process. A fully evaluated trial of a 2-tier trauma call model due to take place in CTM and formal reporting back to the SWTN will take place.

4. FINANCIAL IMPLICATIONS

There are no direct financial implications of this report.

The ODN holds the budget for the ODN element of the South Wales Trauma Network only. This is broken down into the following elements-

Pay- All staff are in post.

Non-Pay- The ODN are on target to breakeven from a non-pay perspective at the end of the financial year.

Informatics- All informatics support and software solutions are now in place or have plans to come online as described within the Programme Business Case.

Training & Education- The ODN are working with the Training and Education Lead to identify the areas of priority for this financial year and 2023-24.

5. RECOMMENDATION

The Management Board are asked to:

- Note content of report
- Note continuing excellent progress across the work through year 2 of the ODN establishment
- Note the key actions for the next quarter
- Note the SWTN mitigation and impact around the recurring risks
- Note that there are no risks to Swansea Bay as host organisation of the ODN

Governance and Assurance		
Link to Enabling Objectives ***(please choose)***	**Supporting better health and wellbeing by actively promoting and empowering people to live well in resilient communities**	
	Partnerships for Improving Health and Wellbeing	☐
	Co-Production and Health Literacy	☐
	Digitally Enabled Health and Wellbeing	☐
	Deliver better care through excellent health and care services achieving the outcomes that matter most to people	
	Best Value Outcomes and High Quality Care	☒
	Partnerships for Care	☐
	Excellent Staff	☐
	Digitally Enabled Care	☐
	Outstanding Research, Innovation, Education and Learning	☐
Health and Care Standards		
(please choose)	Staying Healthy	☐
	Safe Care	☐
	Effective Care	☐
	Dignified Care	☐
	Timely Care	☒
	Individual Care	☐
	Staff and Resources	☐

Quality, Safety and Patient Experience

Delivery of a major trauma network that fits with the ethos of saving lives, improving outcomes, and making a difference.

Financial Implications

There are no financial implications from this paper. The ODN is hosted by SBUHB with the budget being set by WHSSC. The current budget has been guaranteed for 5 years from April 2020.

Legal Implications (including equality and diversity assessment)

There are no known legal or equality and diversity impacts over and above those developed within the original PBC.

Staffing Implications

There are no current staffing implications. The ODN team is fully recruited into. The ODN recruited to a 6-month Senior Nurse post to provide expertise with the development of the e-learning platform, the feedback requirements of an online learning environment and support the training and education for nurses. Funding has been allocated to allow the post to be substantive, interviews have taken place and vacancy been appointed.

Long Term Implications (including the impact of the Well-being of Future Generations (Wales) Act 2015)

- **Long Term** – The SWTN business case incorporates a 5-year plan for development of the network.
- **Prevention** – The development of the injury prevention working group will support the prevention of injuries.
- **Integration –** Clinical pathways are delivered across the network.

○ **Collaboration –** The SWTN works in collaboration with all HBs in Wales as well as with WAST. ○ **Involvement –** all HBs are involved in the network alongside 3rd sector groups	
Report History	The ODN last reported into SBUHB Quality & Safety in July 2022.
Appendices	Appendix 1- SWTN Detailed Activity Q1 (2022-23) Appendix 2- Network Risk Register Appendix 3- Network Issue Log

Appendix 1

South Wales Trauma Network Activity between 1st April 2022 and 30th June 2022.

DEMOGRAPHICS

437 patients treated at the MTC with an incident date between 1st April & 30th June 2022. Of these patients 60% were adults, 10% were paediatric patients and 30% were aged 65+.

* Note that this information has been extracted from the Major Trauma Database. It includes stays at UHW, UHL and Children's Hospital for Wales.

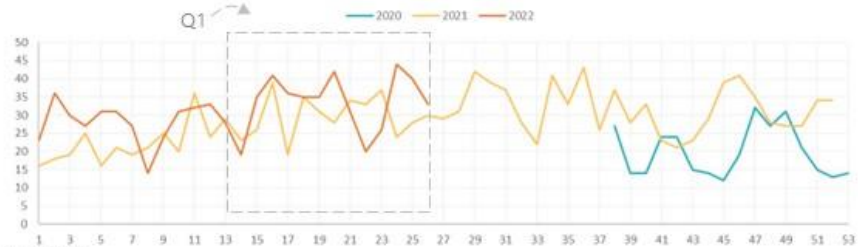
Median age 48 | 68% male | NHS 273 (62%) with NHS no. | 394 (90%) TARN eligible

* Note that these figures are based on a small number of cases and patterns are likely to change over time with more cases being added to the database

163 (37%) CAVUHB*
75 (17%) ABUHB
62 (14%) CTMUHB
33 (8%) SBUHB
33 (8%) HDUHB
9 (2%) PTHB
34 (8%) Out of network/Other
28 (6%) Unknown

*157 of the 163 CAV patients were labelled as MTC patients.
Equitable?
From the 821 TARN submissions with ISS>15 not transferred out of TUs (ISS>=9 for LEH/RTF) during October 2020-December 2021, 83 cases were clinically appropriate for transfer to the MTC (validated by the ODN).

DISTRIBUTION OF INCIDENTS BY WEEK NUMBER



Icons by isons8.com

MECHANISM OF INJURY

148 vehicle incident
126 fall < 2m
95 Fall > 2m
16 stabbing & weapon
>5 burn
5 suspected self harm
10 sport
>5 shooting & weapon
>5 suspected high risk behaviour
11 other
13 alleged assault
>5 alleged intent (non assault)
>5 skeletal/ Organ/ Vessel Destruction
7 inconclusive
>5 amputation (total)
>5 amputation (partial)
>5 Non Accidental Injury
2 non intentional
>5 blow(s)

OUTCOMES

So far 395 discharges for these patients:

243 patients discharged home /temp accommodation
DEATH 27 patients
>5 transferred for specialist rehab
5 other
61 patients repatriated
10 transferred to TUss
47 not major trauma

TUs/LEH/RTFs

SBUHB started adding patients on 01/02/2021
232 patients treated at Morriston in Q1

HDUHB started adding patients on 27/07/2021
129 patients treated in HDUHB hospitals in Q1

ABUHB started adding patients on 23/08/2021
278 patients treated at GUH in Q1

CTMUHB started adding patients on 17/01/2022, 126 patients added to the database

South Wales Trauma Network activity from go live

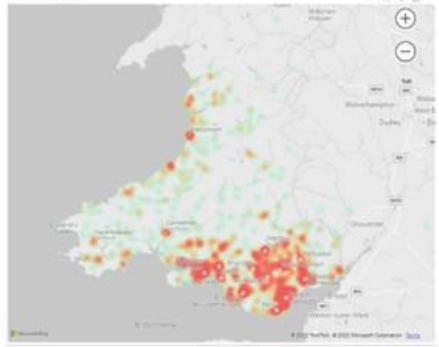
DELAYED REPATRIATION

HB	Wait times that can't be used *	Wait times<24h	Wait times between 24 and 72h	Wait times >72h	Total repats	% delayed
AB	29	51	41	14	135	40.7%
CTM	23	38	26	14	101	39.6%
HDD	14	20	37	8	79	57.0%
SB	14	19	25	26	84	60.7%

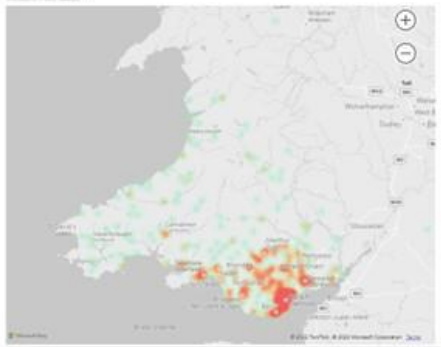
*Wait times are calculated by finding the difference between the transfer request date and the discharge date. Since the database is not used in a fully live way, there are some instances where the discharge document was completed after the patient was discharged, resulting in negative waiting times.

TARN

Heat map of all incidents



Heat map of incidents treated at UHW

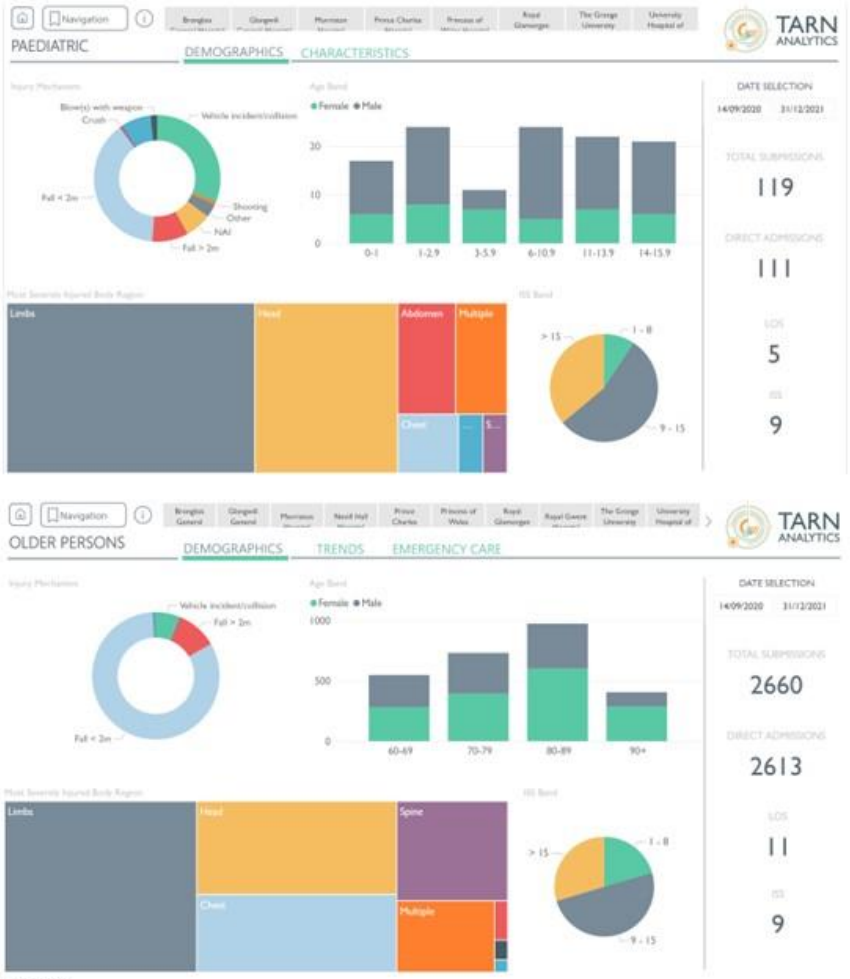


Case ascertainment was 110.9% and data accreditation was 93.4% during 2021/22 Q3. CTM hospitals and Withybush hospital are well below the target for case ascertainment

Icons by isons8.com

South Wales Trauma Network activity from go live

TARN PAEDIATRIC & OLDER PERSONS



Icons by isons8.com

Activity between 1st April and 30th June 2022

TRAUMA DESK, WAST & EMRTS

19 median number of calls connected per day. 1,817 incidents (including providing advice to crews, arranging transfers and checking the call stack).

137 trauma tool positive incidents

52% taken to UHW

48% taken to TU/LEH/RTF/ out of network

136 silver trauma tool positive incidents

19% taken to UHW

81% taken to TU/LEH/RTF/ out of network

* Note that Trauma desk data is at incident level. Therefore, in an RTC, multiple patients would have the same Incident number and we would not be able to differentiate between patients, and trauma tool usage can only be recorded once

148 primary missions to MTC, 201 primary missions overall, 42 secondary transfers to MTC (20 were ACCTS) involving EMRTS

N primary transfers to MTC by WAST – New ePCR data currently not available in DHCW data warehouse therefore unable to provide these figures currently. MTC data for first year shows that 77% of direct admissions had a mode of arrival of ambulance.

11 pathway 1 (Hyperacute) transfers to MTC

18 pathway 2 (Emergency) transfers to MTC

>5 pathway 3 transfers to UHW recorded

11 pathway 3 transfers to Morriston recorded

* Note that the figures are under-reported as further cases of secondary transfers are recorded in the Trauma Database

0 incidents escalated to EMRTS Top Cover Consultant

South Wales Trauma Network Activity between 1st October and 31st December 2021. Data extracted from Induction, Sharepoint, Twitter, GREATix and TRID

TRID SUMMARY

61 TRIDS:

- 7 referral
- >5 automatic acceptance
- 12 pathway awareness
- >5 inappropriate transfer
- 23 delayed repatriations
- >5 delayed transfers
- >5 Trauma Desk contact
- >5 no transport available
- >5 other
- >5 comms
- 12 clinical issues

* Some TRIDs have more than one issue therefore above counts of themes do not sum to the total of 61

TRAUMA DESK OCCURRENCE LOG ENTRIES

21 1x TU declined patient, 6x no trauma desk cover, 1x Flow Centre circumventing the trauma desk, 2x CT scanner, 1x TTL refused call, 1x clinical advice call, 4x no contact with trauma desk, 1x capacity issues, 1x pathway 3 not via trauma desk, 1x pathway 3 via 999, 1x EMRTS CCP solo on desk overnight, 1x transfer pathway not followed

GREATix

12 nominations for teamwork, support, leadership and communication

RESEARCH/QI/AUDIT/INJURY PREVENTION

Available SAIL data has been provisioned for the TEAR Cymru project. TARN ready to send refreshed extract to SAIL.

MEDIA & SOCIAL MEDIA

1,174 followers

1.4K impressions during Q1

EDUCATION

- 1,531 views of the guidelines and policies held in induction
- 4,724 sharepoint site visits in the last 90 days
- SWTN training platform is now available and ready for release. Comms brief prepared with how to guide and posters for dissemination
- Review and editing of TTL and pre-hospital scenarios ongoing
- Welsh ETC course hosted by MTC in June 2022
- Collaboration with all Wales ENP education. First ENP study day hosted by network in July 2022 with further dates requested and to be planned
- Paediatric training ongoing across network

SITREP COMPLIANCE

Aim for 90% compliance.

EMRTS	RGH	MH	WGH	GGH	PCH
96%	95%	92%	90%	88%	86%

UHW	WAST	BGH	POW	GUH
86%	82%	80%	67%	54%

LESSONS LEARNT BULLETIN & COMMS BRIEFS

1x lessons learnt bulletin

2x clinical comms brief

3x operational comms briefs

Icons by isons8.com

Appendix 2

Doc 8- Network Risk Register- July 2(

Appendix 3

Doc 9- Network Issue Register- July 2