

The Trauma Audit & Research Network

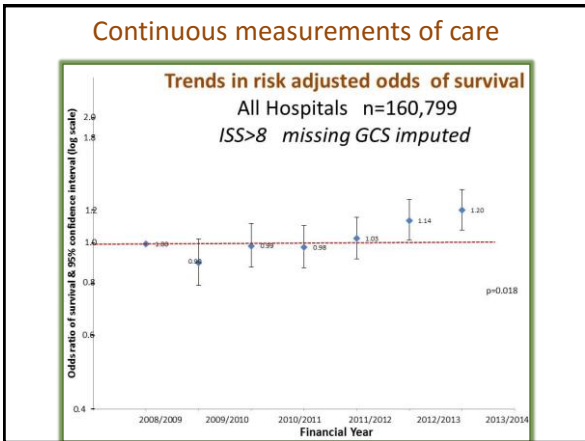
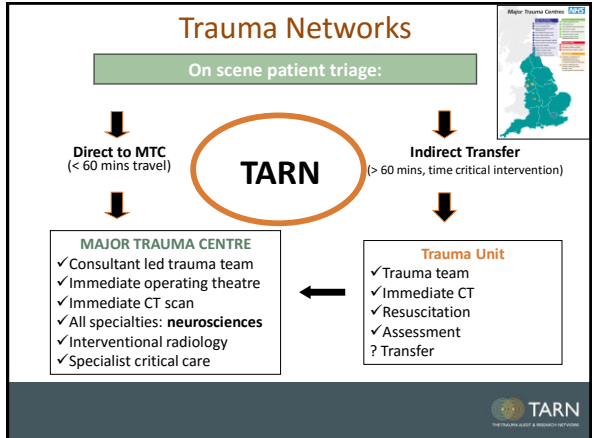
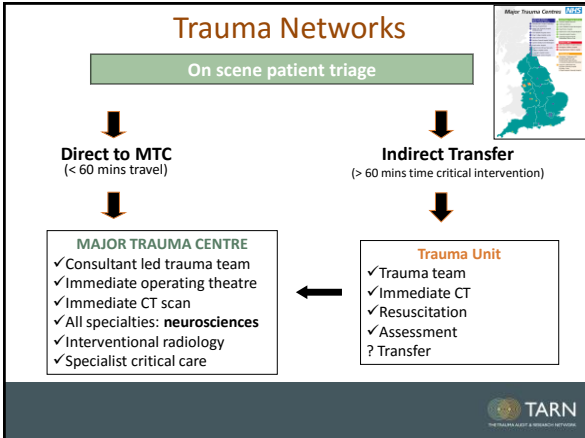
The Rehabilitation Prescription - an update

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MTN 11 Birmingham 1st November 2016

The Trauma Audit & Research Network

- TARN
- The Rehabilitation Prescription
 - current status of data collection
- New rehabilitation questions
 - why introduce them? what did we hope to report?
 - problems and solutions
 - early analyses



TARN: Currently.....

- Largest European trauma registry over 550,000 injured patients
- Self funded through hospital membership fees - non profit making organisation
- Clinically-led, Academic and Independent
- 26 years

Web-based Trauma Data Collection

- electronic data collection & reporting system
- supports hospital staff in robust and effective data collection
- through patient pathway
- Including rehabilitation
- Secure
- Reporting functionality
- Training & Support from TARN



Using the Data - TARN Reports

1. Dashboard
2. Website
3. Ad Hoc Reports - self production using the eDCR
4. Electronic reports
6. Clinical Reports
7. National Reports
8. Best Practice Tariff

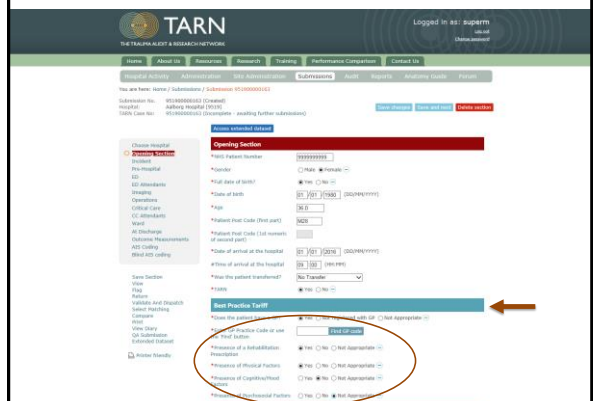


Best Practice Tariff

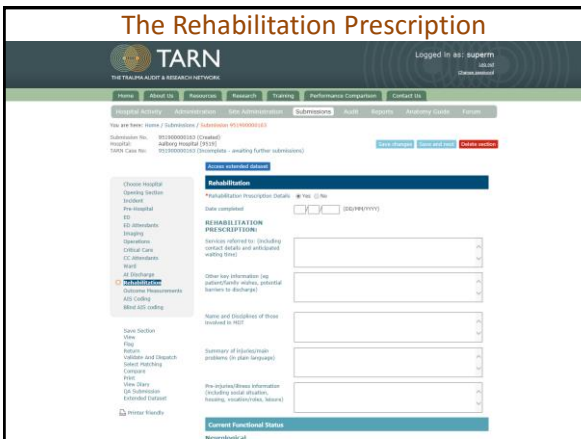
- To enhance trauma networks to improve care!
- 2 Levels based on the Injury Severity Score, data collection and certain process measures – Rehabilitation Prescription, early CT scan, senior doctor, early transfer, TXA when appropriate.
- TARN's role is to provide the functionality for BPT and
- Provide the expertise and uniformity for injury severity coding
- ⌘ **Worth £45million each year.....£10.5million missed in 2015!**



The BPT screen



The Rehabilitation Prescription



The RP screens include data points on.....

- Current Functional Status
- Equipment required
- Rehabilitation needs
- Rehabilitation Services required

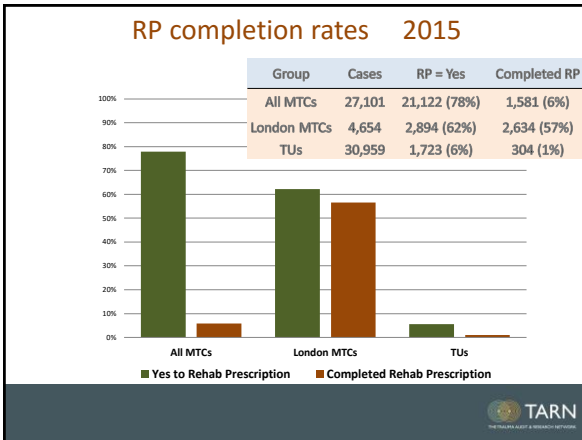


London RP

The London RP screens include data points on.....

- Current Functional Status
- Equipment required
- Rehabilitation needs
- Rehabilitation Services required

- L Patient categorisation of rehabilitation needs
- L Clinical needs identified & require further assessment/treatment
- L Rehabilitation provider
- L Interim step
- L RCS-ET within 48 hours or 96 hours of admission if not stable
- L RCS-ET at discharge/transfer
- L Discharge Destination
- L Record of referral of bed based rehabilitation services



RP completion rates 2015 and 2016 (6 months)

Group	2015			2016 (6 months only)		
	Cases	RP = Yes	Completed RP	Cases	RP = Yes	Completed RP
All MTCs	27,101	21,122 (78%)	1,581 (6%)	16,256	12,459 (77%)	912 (6%)
London MTCs	4,654	2,894 (62%)	2,634 (57%)	2,962	1,684 (57%)	1,222 (41%)
TUs	30,959	1,723 (6%)	304 (1.0%)	14,478	1,568 (1.1%)	260 (1.8%)

New rehabilitation questions

- Why
- Developed with Therapists
- Launched July 2016
- Early analyses – from admissions 1st July (3 months)

New rehabilitation questions

Rehabilitation

*Did the patient receive a copy of the RP?

*Patient Categorisation of rehabilitation needs

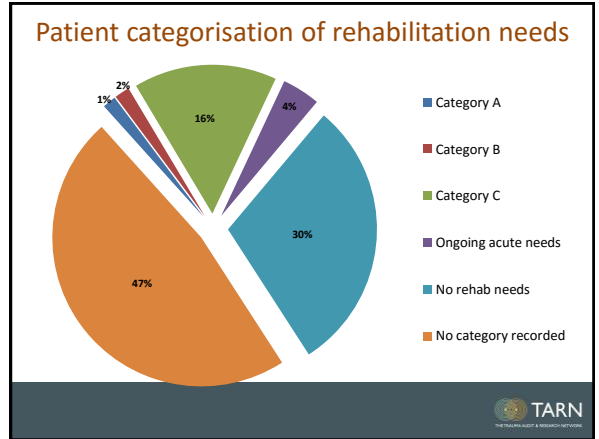
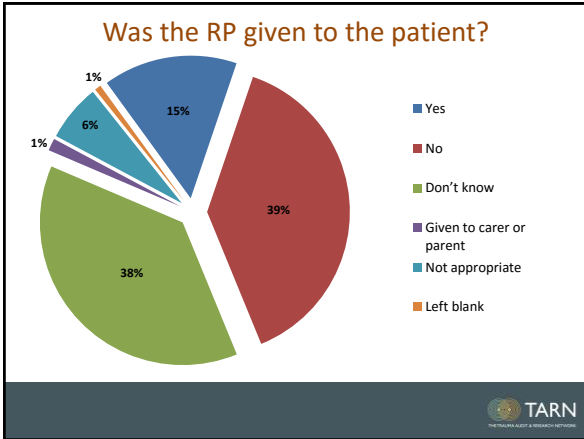
*Recommended destination for rehabilitation

*Actual destination for rehabilitation

*Reason for variance

*Rehabilitation Prescription Details Yes No

London Trauma System Rehabilitation Prescription Yes No



Assessment and review of new rehabilitation questions

- Reviewed data submitted with staff at 4 MTCs
- Example:

SubmissionID:	xxxxxxxxxxxx
Presence of RP:	Yes
Category of Rehabilitation Needs:	Category B
Recommended Destination:	Level 3 (RR&R Pathway)
Actual Destination:	Home w/ community (neuro)rehabilitation /out-patient therapy
Variance:	Service exists but access delayed
- Main issues resolved
- Additions to data points
- Thank you to MTC Managers!!

TARN THE TRAUMATOLOGIST & REHABILITATION NETWORK

New screen following evaluations

Rehabilitation

- Did the patient receive a copy of the RP? Yes
- Patient Categorisation of rehabilitation needs:
- Recommended level of rehabilitation required:
- Recommended destination for rehabilitation (region):
- Unit / Service:
- Actual level of rehabilitation required:
- Actual destination for rehabilitation (region):
- Unit / Service:
- Reason for variance:
- Date of referral to rehabilitation unit: (DD/MM/YYYY)
- Date of review of patient by rehabilitation unit: (DD/MM/YYYY)
- Rehabilitation Prescription Details: Yes No
- London Trauma System Rehabilitation Prescription: Yes No

- ✓ Datalinkage between HQIP funded UKRoC and TARN
- ✓ Rehabilitation measurement tools
- ✓ Project Manager – Karen Hoffman

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Measurement tools

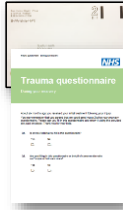
Added to eDCR September 2016

- Patient Categorisation Tool
- RCS - ET
- Neurological and Trauma Impairment Scale v10
- Complexity needs checklist
- Northwick Park Dependency Score

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Patient Reported Outcome Measures

➤ 2013 Support from NHS England;
 Professor Chris Moran - NCD for Trauma
 Professor Keith Willett - Domain 3 Lead



- An important extension to TARN
- All MTCs and 1 TU
- 1st year – over 4,500 Questionnaires received and matched to patients on the TARN database



QUESTIONS?

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