



TARN

THE TRAUMA AUDIT & RESEARCH NETWORK

Sussex Trauma Network

CLINICAL REPORT ISSUE 2 - JULY 2017

I: CORE MEASURES FOR ALL PATIENTS

II: ORTHOPAEDIC INJURIES

Created on 01/08/2017

Contents

This Report contains the following sections:

1. **CORE** - includes ALL injured patients admitted in the time frames indicated.
2. **Orthopaedic** - includes patients with severe pelvic injuries, open fractures and BOAST 4 eligible injuries .

Highlighted sections include only patient data submitted from Trauma Units, so that the information provided is not overshadowed by data from the MTC.

Core

- 1 - Data completeness & accreditation of patient data submission
- 2 - Case mix standardised rate of survival for this network
 - Breakdown
 - Charts
- 3 - ISS & injury mechanism
- 4 - Distribution of patients by ISS & transfer status
- 5 - Details of ISS > 15 patients transferred
- 6 - Number and transfer of patients with severe head injuries (AIS 3+ head injury and a GCS < 9 or the patient is intubated)
- 7 - Number and transfer of patients with head injuries (AIS 3+)
- 8 - Pre-hospital care of patients admitted to Trauma Units
- 9 - Number of patients with a GCS < 9 (pre-hospital or in the ED) and definitive airway management in Trauma Units
- 10 - Most senior doctor attending patients within 5 minutes of arrival in Trauma Units
- 11 - Most senior doctor attending patients within 30 minutes of arrival in Trauma Units
- 12 - Most senior doctor attending patients in the emergency department of Trauma Units
- 13 - Time to CT scanning in Trauma Units
- 14 - Median time to CT scan per month for all patients in Trauma Units
- 11 - Time to first operation in Trauma Units
- 15 - Patient pathway & transfer between hospitals
- 16 - Length of stay in hospital
- 17 - Length of stay in, and readmissions to, critical care

Orthopaedic

- 1 - Patients with BOAST 4 eligible injuries, stabilisation and cover
- 2 - Patients with BOAST 4 eligible injuries, grade of surgeon
- 3 - Patients with severe (AIS 4+) pelvic fractures
- 4 - Patients with open limb fractures

Some sections may not appear if there is insufficient data

Glossary

Explanation of acronyms, abbreviations and other key terms used in this report.

AIS	Abbreviated Injury Scale score. A value between 1 (minor) and 6 (very severe) can be assigned to each injury. TARN currently uses the AIS 2005 system, the most recent available.
BOAST 4	British Orthopaedic Association Standard 4, setting out key markers for care of patients with high energy open lower limb fractures.
Confidence interval	Indicates the precision and possible range of a result. A wide confidence interval indicates the potential for large variation from the measured value because of small sample size. The larger the sample, the smaller the confidence intervals. The smaller the confidence intervals, the more precise the measured value.
Direct admissions	Describes care in the first treating hospital.
ED	Emergency Department.
GCS	Glasgow Coma Scale. A measure of consciousness ranging from 3, indicating complete unconsciousness, to 15, indicating a state of normal alertness. GCS is composed of eye, verbal and motor scores.
HES / HIPE / PEDW	Hospital Episode Statistics / Hospital In-Patient Enquiry Scheme / Patient Episode Database Wales. Data collected in hospitals on all admissions. This data is used by TARN to produce an expected number of TARN eligible patients.
Interquartile range	Range of values within a selection of data excluding the top 25% and bottom 25%. This filters out unusually high and unusually low values and shows where the most significant values in the data range are concentrated.
Intubation	The insertion of a flexible plastic tube into the trachea to support a patient's airway.
ISS	Injury Severity Score. A score ranging from 1, indicating minor injuries to 75, indicating very severe injuries that are very likely to result in death. An ISS between 9 and 15 is considered moderate. An ISS of 16 or more is considered severe. ISS is calculated using the Abbreviated Injury Scale (AIS).
Median	The middle value in a range. Less easily distorted by very high or very low values than other aggregation methods, such as the mean.
NICE	National Institute for Health and Care Excellence. This organisation sets standards for patient care including for severe head injury, defined here as patients with any head injury and a Glasgow Coma Score (GCS) of less than 13.
Paediatric	Patients under 16 years of age at time of admission.
RTC	Road traffic collision.
STR	Specialist Trainee.
TARN fraction	The proportion of TARN patients in each PS band. Used as a weight to standardise hospital outcome performance according to case mix.
Thoracotomy	A surgical incision made into the pleural space of the chest.
W	Variable showing hospital outcome performance. W represents excess deaths or survivors per 100 patients. This is calculated using observed and expected survivors and the total number of patients in the hospital's rate of survival dataset. See rate of survival breakdown section of report for full formula.
Ws	Excess deaths or survivors (W) standardised according to hospital case mix using the TARN fraction. A hospital with the same case mix as the overall TARN population will have identical W and Ws values. A hospital whose case mix differs from the overall TARN population will have different W and Ws values.



TARN

THE TRAUMA AUDIT & RESEARCH NETWORK

Sussex Trauma Network

SECTION I

CORE MEASURES FOR ALL PATIENTS



Case Ascertainment & Accreditation

If case ascertainment is low then the analysis in the rest of the report may not be reflective of true practice.

Trust / Hospital	01 April 2016 to 31 March 2017				01 April 2015 to 31 March 2016			
	N	E	C (%)	A (%)	N	E	C (%)	A (%)
Brighton and Sussex University Hospitals NHS Trust	843	1043 - 1178	71.6 - 80.8	86.5	679	1043 - 1178	57.6 - 65.1	89.2
Royal Sussex County Hospital	761	708 - 814	93.5 - 100+	86	624	708 - 814	76.7 - 88.2	90.0
Princess Royal Haywards Heath	82	169 - 189	43.4 - 48.6	89	55	169 - 189	29.1 - 32.6	80.9
East Sussex Healthcare NHS Trust	58	424 - 496	11.7 - 13.7	98.3	287	424 - 496	57.9 - 67.7	98.0
Conquest Hospital	39	311 - 364	10.7 - 12.5	98	200	311 - 364	54.9 - 64.3	97.9
Eastbourne District General Hospital	19	113 - 132	14.4 - 16.8	99	87	113 - 132	65.9 - 77.1	98.1
Western Sussex Hospitals NHS Trust	559	594 - 672	83.2 - 94.1	94.0	535	594 - 672	79.6 - 90	95.0
Worthing Hospital	321	290	100+	92	264	290	91.1	94.3
St. Richards Hospital	238	304 - 356	66.9 - 78.2	96	271	304 - 356	76.1 - 89	95.7

N The number of approved submissions for the period

E The expected number of submissions for the period (from HES / HIPE / PEDW)

C The case ascertainment % for the period

A The accreditation % for the period

HES / HIPE / PEDW

Hospital Episode Statistics / Hospital In-Patient Enquiry Scheme / Patient Episode Database Wales is the data collected in hospitals on all admissions. The TARN inclusion criteria is applied to this data to derive the expected number of cases for each site. Work with TARN participating sites has shown there is some over-estimation of cases in the results due to the variation in ICD10 coding.

Case ascertainment

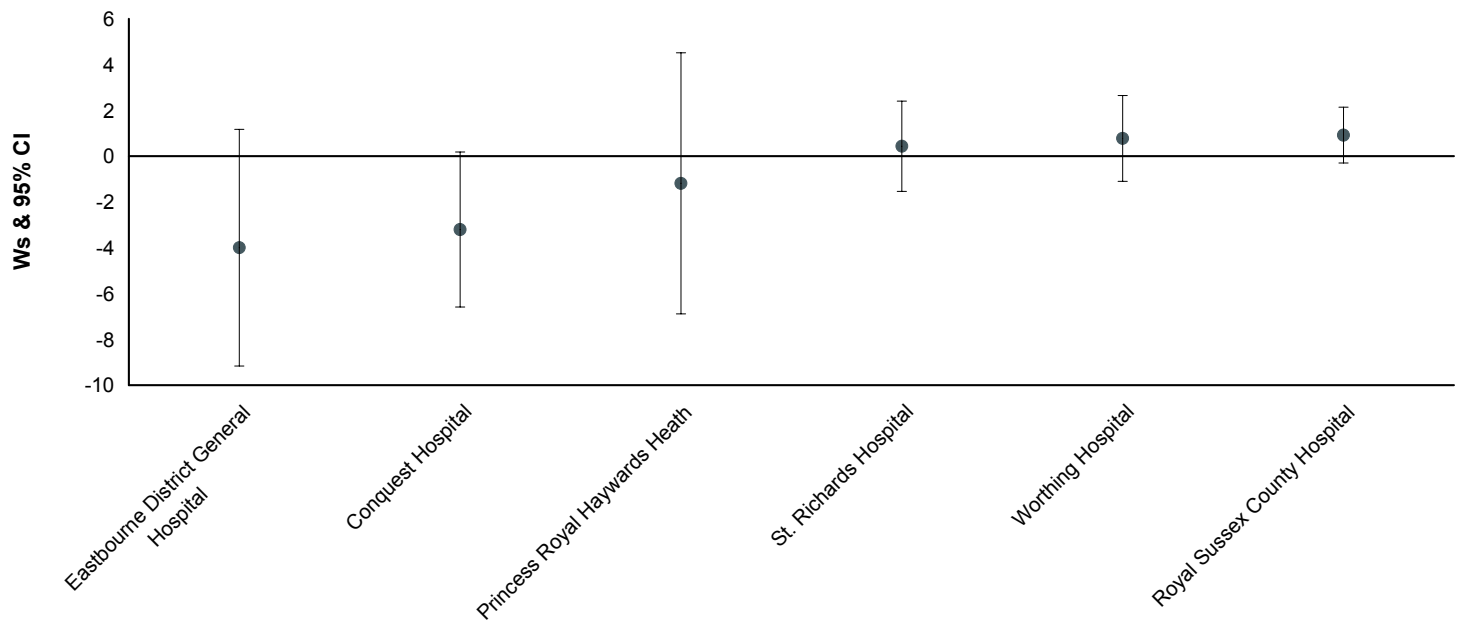
This is displayed as a percentage range and represents the number of patients submitted to TARN compared to the number of patients expected based on the HES dataset. The range represents the variance seen in the accuracy of the HES data. A single value is shown for hospitals that have provided feedback to TARN about their denominator.

Accreditation

This is the proportion of key fields used in this report that are filled in for each patient submitted to TARN.

Sussex Trauma Network
Case mix standardised rate of survival - Ws
01 April 2015 to 31 March 2017

Site	n	WS	95% Confidence interval
Conquest Hospital	212	-3.20	-6.59 - 0.19
Eastbourne District General Hospital	70	-3.99	-9.16 - 1.18
Princess Royal Haywards Heath	65	-1.18	-6.89 - 4.52
Royal Sussex County Hospital	1231	0.92	-0.30 - 2.14
St. Richards Hospital	486	0.44	-1.54 - 2.41
Worthing Hospital	556	0.78	-1.10 - 2.65



Sussex Trauma Network

Case mix standardised rate of survival (Ws) & Ws Breakdown (Ps14)

01 April 2015 to 31 March 2017

Patients who died at or were discharged from this hospital are eligible for Ws calculations. Patients who were transferred out from this hospital and not re-admitted are excluded.

Outcome at 30 days or discharge

PS Band	Number in band	Observed Survivors	Expected Survivors	Difference*	TARN fraction	Ws	95% confidence interval
95 - 100	1626	1595	1597.71	-0.17	0.67	-0.11	
90 - 95	491	463	456.90	1.24	0.16	0.19	
80 - 90	268	238	229.10	3.32	0.08	0.28	
65 - 80	122	89	89.71	-0.59	0.04	-0.02	
45 - 65	48	30	27.65	4.89	0.02	0.11	
25 - 45	39	11	13.51	-6.44	0.02	-0.10	
0 - 25	26	6	3.56	9.37	0.01	0.13	
Total	2620	2432	2418.16			0.48	-0.36 to 1.31

Outcome at 30 days via ONS data linkage

PS Band	Number in band*	Observed Survivors	Expected Survivors	Difference*	TARN fraction	Ws	95% confidence interval
95 - 100	1531	1505	1503.57	0.09	0.65	0.06	
90 - 95	496	465	461.33	0.74	0.15	0.11	
80 - 90	317	286	272.95	4.12	0.10	0.41	
65 - 80	154	116	113.73	1.48	0.05	0.07	
45 - 65	55	34	31.61	4.34	0.02	0.10	
25 - 45	39	12	13.55	-3.97	0.02	-0.07	
0 - 25	28	6	4.06	6.93	0.01	0.10	
Total	2620	2424	2400.80			0.79	-0.07 to 1.65

*The number of cases may be reduced due to missing NHS numbers preventing ONS linkage

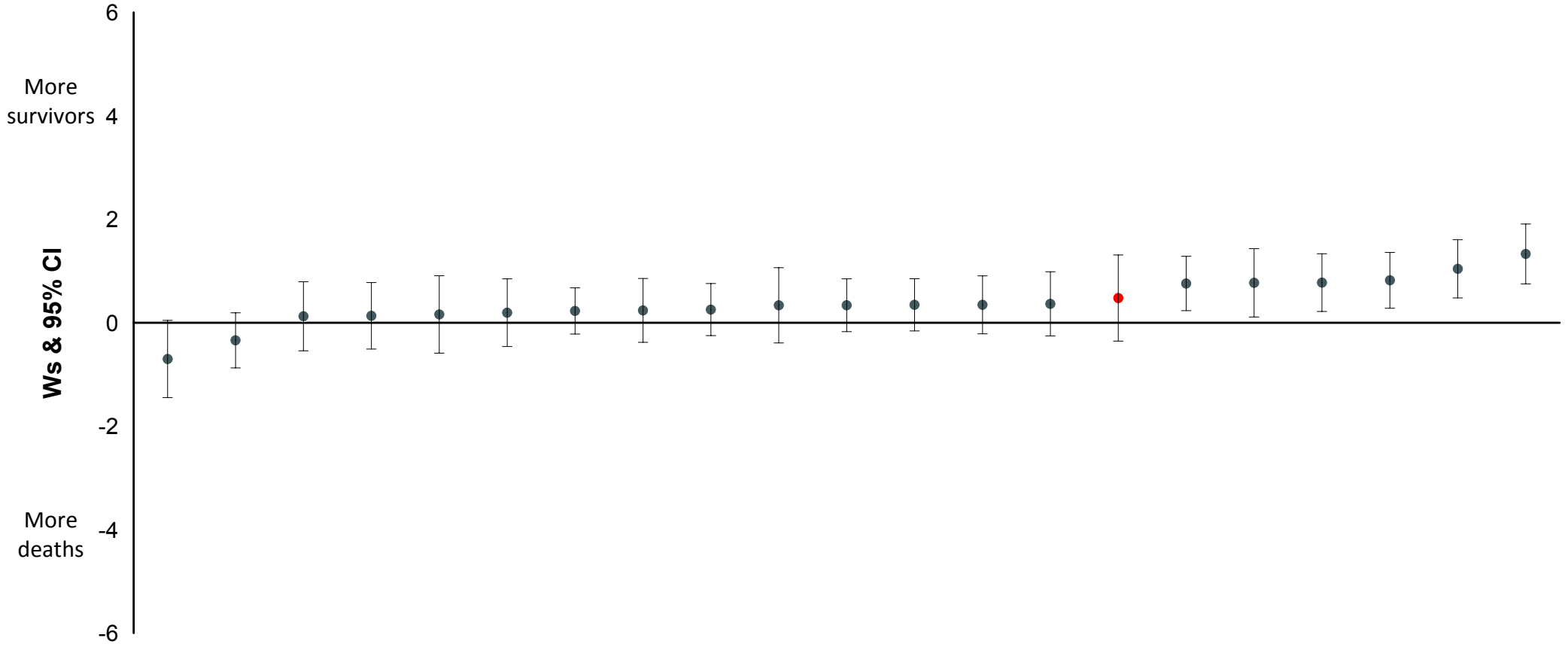
$$\text{* Difference (W)} = \frac{\text{Observed} - \text{Expected}}{\text{Number of patients}} \times 100$$

See glossary for further details of the variables included in the PS model.

Sussex Trauma Network

Trauma Network Comparative Outcome Analysis - 01 April 2015 to 31 March 2017
Outcome at 30 days or discharge

Sussex Trauma Network is highlighted



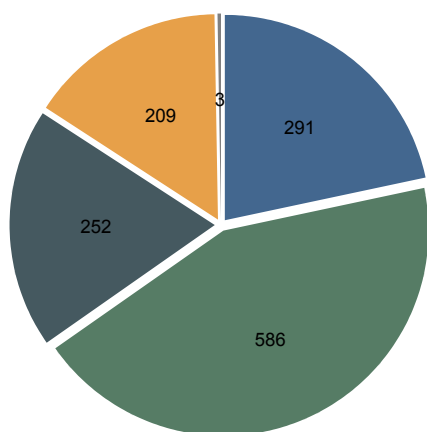
Sussex Trauma Network ISS & Injury Mechanism

(row percentages)

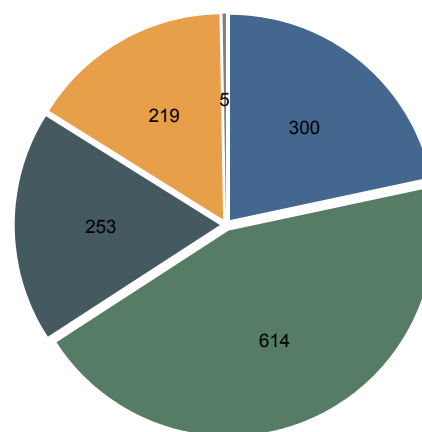
Mechanism	1 - 8	9 - 15	16 - 24	25 - 45	>45	Total	>15
01 April 2016 to 31 March 2017							
RTC	45 (17.7%)	89 (35.0%)	75 (29.5%)	43 (16.9%)	2 (0.8%)	254	120 (47.2%)
Fall < 2m	191 (23.1%)	406 (49.1%)	124 (15.0%)	106 (12.8%)	0 (0.0%)	827	230 (27.8%)
Fall > 2m	35 (21.7%)	55 (34.2%)	35 (21.7%)	35 (21.7%)	1 (0.6%)	161	71 (44.1%)
Shooting / Stabbing	0 (0.0%)	8 (72.7%)	1 (9.1%)	2 (18.2%)	0 (0.0%)	11	3 (27.3%)
Other	20 (22.7%)	28 (31.8%)	17 (19.3%)	23 (26.1%)	0 (0.0%)	88	40 (45.5%)
Total	291 (21.7%)	586 (43.7%)	252 (18.8%)	209 (15.6%)	3 (0.2%)	1341	464 (34.6%)

01 April 2015 to 31 March 2016

RTC	45 (17.3%)	89 (34.2%)	65 (25.0%)	56 (21.5%)	5 (1.9%)	260	126 (48.5%)
Fall < 2m	197 (22.4%)	439 (49.9%)	131 (14.9%)	113 (12.8%)	0 (0.0%)	880	244 (27.7%)
Fall > 2m	39 (24.1%)	55 (34.0%)	38 (23.5%)	30 (18.5%)	0 (0.0%)	162	68 (42.0%)
Shooting / Stabbing	1 (5.0%)	13 (65.0%)	4 (20.0%)	2 (10.0%)	0 (0.0%)	20	6 (30.0%)
Other	18 (26.1%)	18 (26.1%)	15 (21.7%)	18 (26.1%)	0 (0.0%)	69	33 (47.8%)
Total	300 (21.6%)	614 (44.1%)	253 (18.2%)	219 (15.7%)	5 (0.4%)	1391	477 (34.3%)



01 April 2016 to 31 March 2017



01 April 2015 to 31 March 2016

■ 1 - 8 ■ 9 - 15 ■ 16 - 24 ■ 25 - 45 ■ >45

Distribution of patients by ISS & transfer status

01 April 2016 to 31 March 2017

Hospital	n	No transfer	Transfer In	Transfer Out	ISS 1 - 8	ISS 9 - 15	ISS > 15
Conquest Hospital	39	24 (61.5%)	5 (12.8%)	10 (25.6%)	11 (28.2%)	13 (33.3%)	15 (38.5%)
Eastbourne District General Hospital	19	10 (52.6%)	1 (5.3%)	8 (42.1%)	7 (36.8%)	9 (47.4%)	3 (15.8%)
Princess Royal Haywards Heath	82	22 (26.8%)	19 (23.2%)	41 (50.0%)	18 (22.0%)	40 (48.8%)	24 (29.3%)
Royal Sussex County Hospital	761	588 (77.3%)	106 (13.9%)	67 (8.8%)	131 (17.2%)	302 (39.7%)	328 (43.1%)
St. Richards Hospital	238	209 (87.8%)	4 (1.7%)	25 (10.5%)	66 (27.7%)	120 (50.4%)	52 (21.8%)
Worthing Hospital	321	262 (81.6%)	21 (6.5%)	38 (11.8%)	84 (26.2%)	150 (46.7%)	87 (27.1%)

01 April 2015 to 31 March 2016

Hospital	n	No transfer	Transfer In	Transfer Out	ISS 1 - 8	ISS 9 - 15	ISS > 15
Conquest Hospital	200	150 (75.0%)	27 (13.5%)	23 (11.5%)	44 (22.0%)	98 (49.0%)	58 (29.0%)
Eastbourne District General Hospital	87	55 (63.2%)	3 (3.4%)	29 (33.3%)	21 (24.1%)	32 (36.8%)	34 (39.1%)
Princess Royal Haywards Heath	55	20 (36.4%)	7 (12.7%)	28 (50.9%)	8 (14.5%)	27 (49.1%)	20 (36.4%)
Royal Sussex County Hospital	624	494 (79.2%)	96 (15.4%)	34 (5.4%)	107 (17.1%)	224 (35.9%)	293 (47.0%)
St. Richards Hospital	271	240 (88.6%)	9 (3.3%)	22 (8.1%)	65 (24.0%)	147 (54.2%)	59 (21.8%)
Worthing Hospital	264	224 (84.8%)	8 (3.0%)	32 (12.1%)	70 (26.5%)	129 (48.9%)	65 (24.6%)

Sussex Trauma Network Transfer of ISS > 15 patients

01 April 2015 to 31 March 2016

Hospital	n	No transfer	Transfer In	Transfer Out
Conquest Hospital	58	36 (62.1%)	13 (22.4%)	9 (15.5%)
Eastbourne District General Hospital	34	19 (55.9%)	0 (0.0%)	15 (44.1%)
Princess Royal Haywards Heath	20	6 (30.0%)	3 (15.0%)	11 (55.0%)
Royal Sussex County Hospital	293	218 (74.4%)	52 (17.7%)	23 (7.8%)
St. Richards Hospital	59	50 (84.7%)	1 (1.7%)	8 (13.6%)
Worthing Hospital	65	45 (69.2%)	6 (9.2%)	14 (21.5%)

01 April 2016 to 31 March 2017

Hospital	n	No transfer	Transfer In	Transfer Out
Conquest Hospital	15	7 (46.7%)	1 (6.7%)	7 (46.7%)
Eastbourne District General Hospital	3	1 (33.3%)	0 (0.0%)	2 (66.7%)
Princess Royal Haywards Heath	24	6 (25.0%)	3 (12.5%)	15 (62.5%)
Royal Sussex County Hospital	328	253 (77.1%)	44 (13.4%)	31 (9.5%)
St. Richards Hospital	52	40 (76.9%)	0 (0.0%)	12 (23.1%)
Worthing Hospital	87	58 (66.7%)	10 (11.5%)	19 (21.8%)

Sussex Trauma Network

Patients with severe head injuries

Defined as patients with an AIS3+ head injury and a GCS < 9 or a recording of intubation.

01 April 2015 to 31 March 2016

Hospital	n	Direct admissions from scene of incident			Transferred in
		No transfer	Died within 12 hours of arrival	Transferred out	
Conquest Hospital	5	3	0	2	0
Princess Royal Haywards Heath	1	0	0	0	1
Royal Sussex County Hospital	60	45	1	9	6
St. Richards Hospital	2	2	1	0	0
Worthing Hospital	8	3	0	1	4

01 April 2016 to 31 March 2017

Hospital	n	Direct admissions from scene of incident			Transferred in
		No transfer	Died within 12 hours of arrival	Transferred out	
Eastbourne District General Hospital	1	0	0	1	0
Princess Royal Haywards Heath	2	1	0	1	0
Royal Sussex County Hospital	39	29	2	6	4
St. Richards Hospital	3	3	0	0	0
Worthing Hospital	8	5	0	1	2

Sussex Trauma Network

Patients with head injuries

Defined as patients with an AIS3+ head injury.

01 April 2015 to 31 March 2016

Hospital	n	Direct admissions from scene of incident			Transferred in
		No transfer	Died within 12 hours of arrival	Transferred out	
Conquest Hospital	45	26	1	8	11
Eastbourne District General Hospital	35	22	0	13	0
Princess Royal Haywards Heath	13	4	0	7	2
Royal Sussex County Hospital	198	145	1	13	40
St. Richards Hospital	59	51	1	6	2
Worthing Hospital	60	43	0	13	4

01 April 2016 to 31 March 2017

Hospital	n	Direct admissions from scene of incident			Transferred in
		No transfer	Died within 12 hours of arrival	Transferred out	
Conquest Hospital	11	5	0	4	2
Eastbourne District General Hospital	5	2	0	3	0
Princess Royal Haywards Heath	22	8	0	12	2
Royal Sussex County Hospital	216	166	3	16	34
St. Richards Hospital	40	33	0	7	0
Worthing Hospital	74	52	0	16	6

Sussex Trauma Network Pre-hospital care

Trauma Unit data only

Direct admissions, 01 April 2016 to 31 March 2017

Number of patients: 649

Number of patients with pre-hospital data: 456

Level of personnel on scene

Doctor	Paramedic	Not recorded
0 (0.0%)	432 (94.7%)	24 (5.3%)

Mode of transport to hospital

Ambulance	Helicopter	Self-presented	Not recorded*
467 (72.0%)	0 (0.0%)	59 (9.1%)	123 (19.0%)

Direct admissions, 01 April 2015 to 31 March 2016

Number of patients: 823

Number of patients with pre-hospital data: 631

Level of personnel on scene

Doctor	Paramedic	Not recorded
1 (0.2%)	625 (99.0%)	5 (0.8%)

Mode of transport to hospital

Ambulance	Helicopter	Self-presented	Not recorded*
628 (76.3%)	5 (0.6%)	29 (3.5%)	161 (19.6%)

*Mode of transport not recorded may include patients that self-presented.

Patients with GCS < 9 pre-hospital or in the ED and definitive airway management pre-hospital or in the ED

Trauma Unit data only

n	Definitive airway management	Pre-hospital	ED	Date & time recorded	Recorded within 30 mins of incident	Median time from incident (hours)
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Direct admissions, 01 April 2016 to 31 March 2017

25	6 (24.0%)	3 (12.0%)	3 (12.0%)	2 (33.3%)	0 (0.0%)	1.1
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Direct admissions, 01 April 2015 to 31 March 2016

17	1 (5.9%)	0 (0.0%)	1 (5.9%)	1 (100.0%)	0 (0.0%)	0.9
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Definitive airway management is defined as the management of an airway using intubation, tracheostomy or cricothyroidotomy.

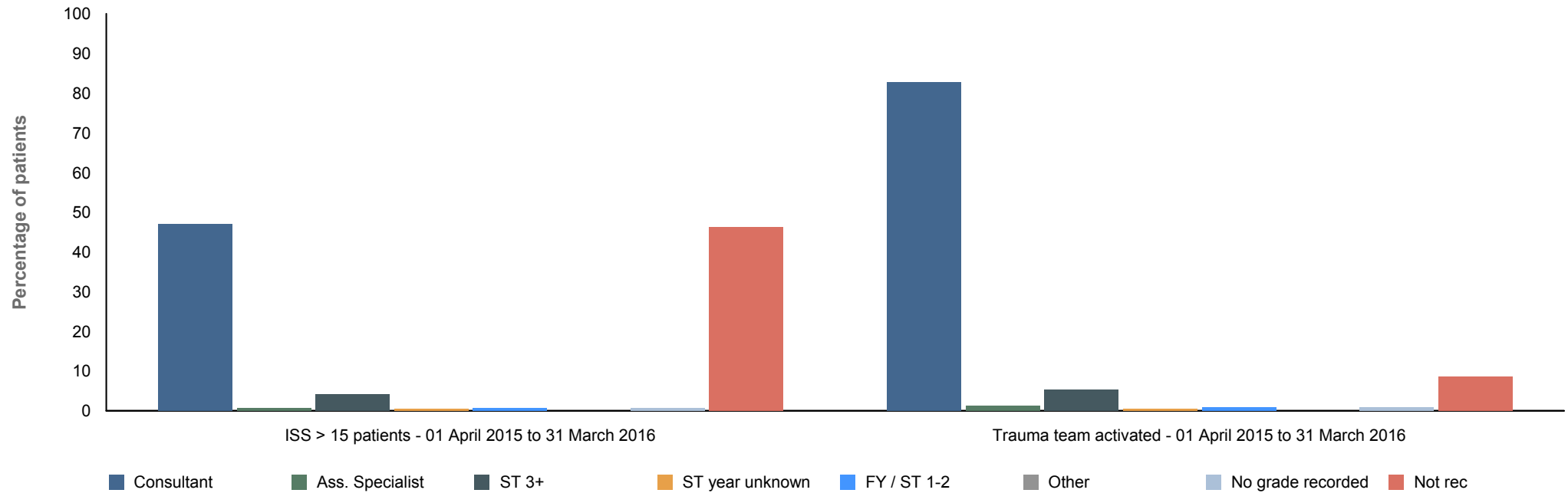
Sussex Trauma Network

Most senior doctor seeing patients within 5 minutes of arrival

All patients directly admitted, all specialities

Trauma Unit data only

Category	Total	Consultant	Associate specialist	ST: 3+	ST: Year unknown	FY / ST: 1-2	Other	No grade recorded	No doctor recorded
01 April 2016 to 31 March 2017									
All patients	1304	456 (35.0%)	2 (0.2%)	29 (2.2%)	38 (2.9%)	22 (1.7%)	0 (0.0%)	1 (0.1%)	756 (58.0%)
ISS > 15 patients	451	237 (52.5%)	0 (0.0%)	9 (2.0%)	11 (2.4%)	6 (1.3%)	0 (0.0%)	1 (0.2%)	187 (41.5%)
Trauma team activated	367	324 (88.3%)	0 (0.0%)	9 (2.5%)	3 (0.8%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	31 (8.4%)
Trauma team not activated	937	132 (14.1%)	2 (0.2%)	20 (2.1%)	35 (3.7%)	22 (2.3%)	0 (0.0%)	1 (0.1%)	725 (77.4%)
01 April 2015 to 31 March 2016									
All patients	1351	379 (28.1%)	6 (0.4%)	56 (4.1%)	21 (1.6%)	14 (1.0%)	2 (0.1%)	4 (0.3%)	869 (64.3%)
ISS > 15 patients	454	214 (47.1%)	3 (0.7%)	19 (4.2%)	2 (0.4%)	3 (0.7%)	0 (0.0%)	3 (0.7%)	210 (46.3%)
Trauma team activated	394	326 (82.7%)	5 (1.3%)	21 (5.3%)	2 (0.5%)	3 (0.8%)	0 (0.0%)	3 (0.8%)	34 (8.6%)
Trauma team not activated	957	53 (5.5%)	1 (0.1%)	35 (3.7%)	19 (2.0%)	11 (1.1%)	2 (0.2%)	1 (0.1%)	835 (87.3%)



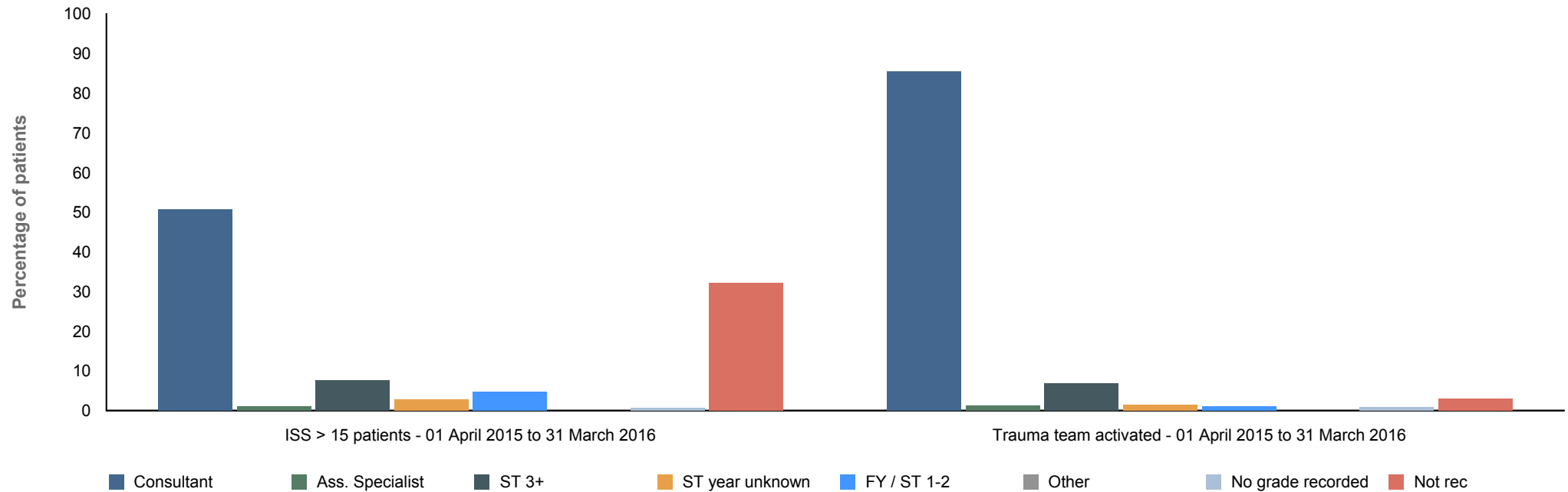
Sussex Trauma Network

Most senior doctor seeing patients within 30 minutes of arrival

All patients directly admitted, all specialities

Trauma Unit data only

Category	Total	Consultant	Associate specialist	ST: 3+	ST: Year unknown	FY / ST: 1-2	Other	No grade recorded	No doctor recorded
01 April 2016 to 31 March 2017									
All patients	1304	499 (38.3%)	3 (0.2%)	60 (4.6%)	102 (7.8%)	55 (4.2%)	2 (0.2%)	1 (0.1%)	582 (44.6%)
ISS > 15 patients	451	246 (54.5%)	0 (0.0%)	22 (4.9%)	33 (7.3%)	16 (3.5%)	0 (0.0%)	1 (0.2%)	133 (29.5%)
Trauma team activated	367	333 (90.7%)	0 (0.0%)	14 (3.8%)	7 (1.9%)	1 (0.3%)	0 (0.0%)	0 (0.0%)	12 (3.3%)
Trauma team not activated	937	166 (17.7%)	3 (0.3%)	46 (4.9%)	95 (10.1%)	54 (5.8%)	2 (0.2%)	1 (0.1%)	570 (60.8%)
01 April 2015 to 31 March 2016									
All patients	1351	436 (32.3%)	13 (1.0%)	122 (9.0%)	67 (5.0%)	71 (5.3%)	7 (0.5%)	5 (0.4%)	630 (46.6%)
ISS > 15 patients	454	230 (50.7%)	5 (1.1%)	35 (7.7%)	13 (2.9%)	22 (4.8%)	0 (0.0%)	3 (0.7%)	146 (32.2%)
Trauma team activated	394	337 (85.5%)	5 (1.3%)	27 (6.9%)	6 (1.5%)	4 (1.0%)	0 (0.0%)	3 (0.8%)	12 (3.0%)
Trauma team not activated	957	99 (10.3%)	8 (0.8%)	95 (9.9%)	61 (6.4%)	67 (7.0%)	7 (0.7%)	2 (0.2%)	618 (64.6%)



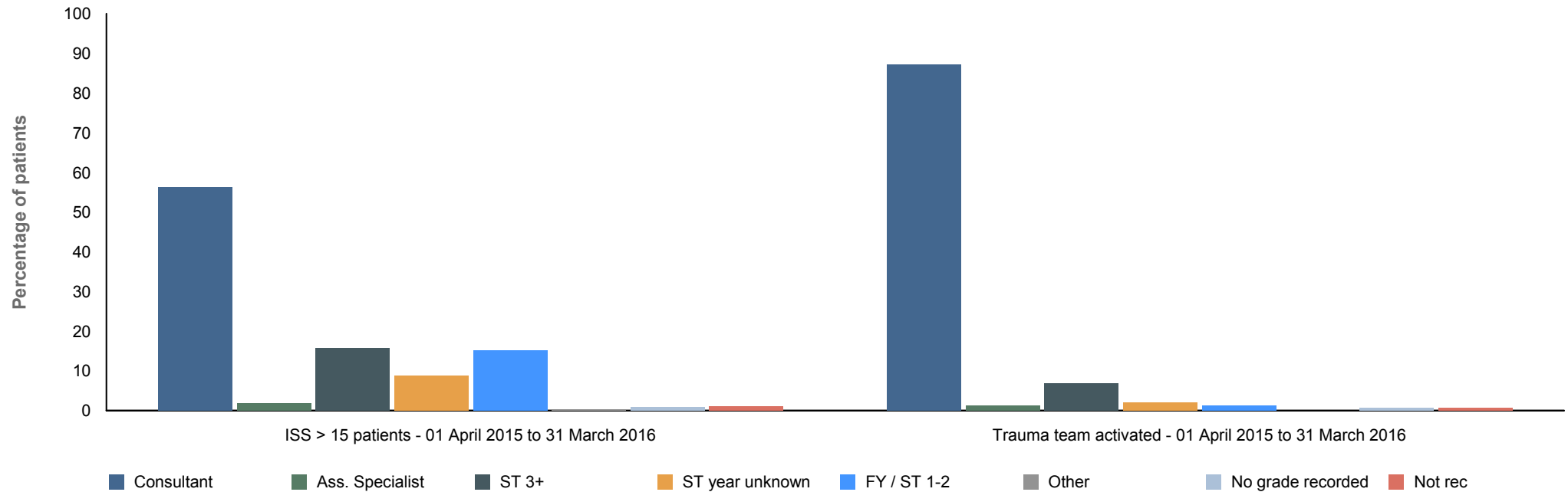
Sussex Trauma Network

Most senior doctor seeing patients in the Emergency Department

All patients directly admitted to the ED, all specialities

Trauma Unit data only

Category	Total	Consultant	Associate specialist	ST: 3+	ST: Year unknown	FY / ST: 1-2	Other	No grade recorded	No ED doctor recorded
01 April 2016 to 31 March 2017									
All patients	1281	607 (47.4%)	14 (1.1%)	99 (7.7%)	317 (24.7%)	187 (14.6%)	14 (1.1%)	6 (0.5%)	37 (2.9%)
ISS > 15 patients	443	268 (60.5%)	1 (0.2%)	30 (6.8%)	89 (20.1%)	43 (9.7%)	1 (0.2%)	1 (0.2%)	10 (2.3%)
Trauma team activated	367	339 (92.4%)	1 (0.3%)	14 (3.8%)	10 (2.7%)	2 (0.5%)	0 (0.0%)	0 (0.0%)	1 (0.3%)
Trauma team not activated	914	268 (29.3%)	13 (1.4%)	85 (9.3%)	307 (33.6%)	185 (20.2%)	14 (1.5%)	6 (0.7%)	36 (3.9%)
01 April 2015 to 31 March 2016									
All patients	1319	538 (40.8%)	20 (1.5%)	265 (20.1%)	202 (15.3%)	244 (18.5%)	18 (1.4%)	9 (0.7%)	23 (1.7%)
ISS > 15 patients	444	250 (56.3%)	8 (1.8%)	70 (15.8%)	39 (8.8%)	67 (15.1%)	1 (0.2%)	4 (0.9%)	5 (1.1%)
Trauma team activated	394	343 (87.1%)	5 (1.3%)	27 (6.9%)	8 (2.0%)	5 (1.3%)	0 (0.0%)	3 (0.8%)	3 (0.8%)
Trauma team not activated	925	195 (21.1%)	15 (1.6%)	238 (25.7%)	194 (21.0%)	239 (25.8%)	18 (1.9%)	6 (0.6%)	20 (2.2%)



Sussex Trauma Network

Most senior doctor seeing patients within 5 minutes of arrival

All patients directly admitted, all specialities

Site	Total	Consultant	Associate specialist	ST 3+	ST year unknown	FY / ST 1-2	Other	No grade recorded	No ED doctor recorded
01 April 2015 to 31 March 2016									
Conquest Hospital	173	25 (14.5%)	1 (0.6%)	28 (16.2%)	3 (1.7%)	2 (1.2%)	0 (0.0%)	0 (0.0%)	114 (65.9%)
Eastbourne District General Hospital	84	3 (3.6%)	0 (0.0%)	6 (7.1%)	1 (1.2%)	2 (2.4%)	0 (0.0%)	0 (0.0%)	72 (85.7%)
Princess Royal Haywards Heath	48	2 (4.2%)	0 (0.0%)	1 (2.1%)	1 (2.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	44 (91.7%)
Royal Sussex County Hospital	528	331 (62.7%)	0 (0.0%)	9 (1.7%)	11 (2.1%)	5 (0.9%)	1 (0.2%)	3 (0.6%)	168 (31.8%)
St. Richards Hospital	262	12 (4.6%)	2 (0.8%)	8 (3.1%)	4 (1.5%)	5 (1.9%)	1 (0.4%)	1 (0.4%)	229 (87.4%)
Worthing Hospital	256	6 (2.3%)	3 (1.2%)	4 (1.6%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	242 (94.5%)
01 April 2016 to 31 March 2017									
Conquest Hospital	34	6 (17.6%)	0 (0.0%)	8 (23.5%)	0 (0.0%)	1 (2.9%)	0 (0.0%)	0 (0.0%)	19 (55.9%)
Eastbourne District General Hospital	18	2 (11.1%)	0 (0.0%)	3 (16.7%)	0 (0.0%)	2 (11.1%)	0 (0.0%)	0 (0.0%)	11 (61.1%)
Princess Royal Haywards Heath	63	4 (6.3%)	0 (0.0%)	2 (3.2%)	12 (19.0%)	1 (1.6%)	0 (0.0%)	0 (0.0%)	44 (69.8%)
Royal Sussex County Hospital	655	429 (65.5%)	1 (0.2%)	12 (1.8%)	18 (2.7%)	16 (2.4%)	0 (0.0%)	1 (0.2%)	178 (27.2%)
St. Richards Hospital	234	9 (3.8%)	1 (0.4%)	1 (0.4%)	4 (1.7%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	218 (93.2%)
Worthing Hospital	300	6 (2.0%)	0 (0.0%)	3 (1.0%)	4 (1.3%)	1 (0.3%)	0 (0.0%)	0 (0.0%)	286 (95.3%)

Sussex Trauma Network

Most senior doctor seeing patients within 30 minutes of arrival

All patients directly admitted, all specialities

Site	Total	Consultant	Associate specialist	ST 3+	ST year unknown	FY / ST 1-2	Other	No grade recorded	No ED doctor recorded
01 April 2015 to 31 March 2016									
Conquest Hospital	173	30 (17.3%)	1 (0.6%)	54 (31.2%)	5 (2.9%)	9 (5.2%)	0 (0.0%)	0 (0.0%)	74 (42.8%)
Eastbourne District General Hospital	84	5 (6.0%)	0 (0.0%)	13 (15.5%)	4 (4.8%)	9 (10.7%)	0 (0.0%)	0 (0.0%)	53 (63.1%)
Princess Royal Haywards Heath	48	4 (8.3%)	0 (0.0%)	2 (4.2%)	1 (2.1%)	1 (2.1%)	1 (2.1%)	0 (0.0%)	39 (81.3%)
Royal Sussex County Hospital	528	345 (65.3%)	1 (0.2%)	16 (3.0%)	22 (4.2%)	14 (2.7%)	2 (0.4%)	4 (0.8%)	124 (23.5%)
St. Richards Hospital	262	39 (14.9%)	8 (3.1%)	18 (6.9%)	25 (9.5%)	23 (8.8%)	3 (1.1%)	1 (0.4%)	145 (55.3%)
Worthing Hospital	256	13 (5.1%)	3 (1.2%)	19 (7.4%)	10 (3.9%)	15 (5.9%)	1 (0.4%)	0 (0.0%)	195 (76.2%)
01 April 2016 to 31 March 2017									
Conquest Hospital	34	6 (17.6%)	0 (0.0%)	16 (47.1%)	2 (5.9%)	1 (2.9%)	0 (0.0%)	0 (0.0%)	9 (26.5%)
Eastbourne District General Hospital	18	2 (11.1%)	0 (0.0%)	4 (22.2%)	0 (0.0%)	4 (22.2%)	0 (0.0%)	0 (0.0%)	8 (44.4%)
Princess Royal Haywards Heath	63	5 (7.9%)	0 (0.0%)	2 (3.2%)	20 (31.7%)	3 (4.8%)	0 (0.0%)	0 (0.0%)	33 (52.4%)
Royal Sussex County Hospital	655	446 (68.1%)	1 (0.2%)	20 (3.1%)	37 (5.6%)	27 (4.1%)	0 (0.0%)	1 (0.2%)	123 (18.8%)
St. Richards Hospital	234	27 (11.5%)	2 (0.9%)	9 (3.8%)	28 (12.0%)	6 (2.6%)	1 (0.4%)	0 (0.0%)	161 (68.8%)
Worthing Hospital	300	13 (4.3%)	0 (0.0%)	9 (3.0%)	15 (5.0%)	14 (4.7%)	1 (0.3%)	0 (0.0%)	248 (82.7%)

Sussex Trauma Network

Most senior doctor seeing patients in the Emergency Department**All patients directly admitted, all specialities**

Site	Total	Consultant	Associate specialist	ST 3+	ST year unknown	FY / ST 1-2	Other	No grade recorded	No ED doctor recorded
01 April 2015 to 31 March 2016									
Conquest Hospital	171	35 (20.5%)	1 (0.6%)	103 (60.2%)	10 (5.8%)	21 (12.3%)	0 (0.0%)	0 (0.0%)	1 (0.6%)
Eastbourne District General Hospital	84	8 (9.5%)	0 (0.0%)	37 (44.0%)	11 (13.1%)	28 (33.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Princess Royal Haywards Heath	33	6 (18.2%)	1 (3.0%)	3 (9.1%)	8 (24.2%)	7 (21.2%)	0 (0.0%)	0 (0.0%)	8 (24.2%)
Royal Sussex County Hospital	525	384 (73.1%)	1 (0.2%)	27 (5.1%)	62 (11.8%)	36 (6.9%)	3 (0.6%)	4 (0.8%)	8 (1.5%)
St. Richards Hospital	257	66 (25.7%)	13 (5.1%)	27 (10.5%)	83 (32.3%)	58 (22.6%)	8 (3.1%)	1 (0.4%)	1 (0.4%)
Worthing Hospital	249	39 (15.7%)	4 (1.6%)	68 (27.3%)	28 (11.2%)	94 (37.8%)	7 (2.8%)	4 (1.6%)	5 (2.0%)
01 April 2016 to 31 March 2017									
Conquest Hospital	34	6 (17.6%)	0 (0.0%)	22 (64.7%)	2 (5.9%)	3 (8.8%)	0 (0.0%)	1 (2.9%)	0 (0.0%)
Eastbourne District General Hospital	18	3 (16.7%)	0 (0.0%)	6 (33.3%)	1 (5.6%)	8 (44.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Princess Royal Haywards Heath	60	13 (21.7%)	0 (0.0%)	3 (5.0%)	31 (51.7%)	11 (18.3%)	0 (0.0%)	0 (0.0%)	2 (3.3%)
Royal Sussex County Hospital	650	490 (75.4%)	4 (0.6%)	30 (4.6%)	74 (11.4%)	44 (6.8%)	1 (0.2%)	1 (0.2%)	6 (0.9%)
St. Richards Hospital	230	52 (22.6%)	9 (3.9%)	26 (11.3%)	107 (46.5%)	28 (12.2%)	8 (3.5%)	0 (0.0%)	0 (0.0%)
Worthing Hospital	289	43 (14.9%)	1 (0.3%)	12 (4.2%)	102 (35.3%)	93 (32.2%)	5 (1.7%)	4 (1.4%)	29 (10.0%)

Sussex Trauma Network

Time to CT Scan**Direct Admissions****(excluding patients with a time difference greater than 24 hours or taken directly to theatre)****Trauma Unit data only**

Patient category	n	n (CT with date and time rec)	Median time to (mins)		
			CT	Provisional report	Final report
01 April 2016 to 31 March 2017					
All Patients	324	324	174 (90 - 291)	64 (39 - 100)	611 (356 - 863)
AIS 3+ Head Injury	130	130	143 (81 - 220)	52 (34 - 92)	695 (413 - 970)
NICE head injury criteria	23	23	78 (62 - 112)	48 (35 - 110)	
01 April 2015 to 31 March 2016					
All Patients	421	421	157 (86 - 293)	51 (31 - 86)	751 (487 - 1102)
AIS 3+ Head Injury	178	178	141 (73 - 222)	45 (29 - 71)	778 (557 - 971)
NICE head injury criteria	20	20	59 (41 - 101)	40 (26 - 92)	688 (526 - 1320)

Median time to CT

Time from hospital arrival to first CT scan

Median time to provisional report

Time from first CT scan to the provisional report being produced

Median time to final report

Time from first CT scan to the review of the provisional report by a consultant

Sussex Trauma Network

Time to CT scan - All Patients**Direct admissions (excluding patients taken directly to theatre)**

01 April 2015 to 31 March 2016

Hospital	n	n with CT date & time recorded	Median time to CT scanning (hours)	Interquartile range (hours)
Conquest Hospital	95	95		
Eastbourne District General Hospital	53	53		
Princess Royal Haywards Heath	21	21		
Royal Sussex County Hospital	413	412		
St. Richards Hospital	139	139		
Worthing Hospital	113	113		

01 April 2016 to 31 March 2017

Hospital	n	n with CT date & time recorded	Median time to CT scanning (hours)	Interquartile range (hours)
Conquest Hospital	24	24		
Eastbourne District General Hospital	11	11		
Princess Royal Haywards Heath	36	36		
Royal Sussex County Hospital	514	512		
St. Richards Hospital	119	119		
Worthing Hospital	134	134		

Sussex Trauma Network

Time to CT scan - AIS 3+ Head Injury**Direct admissions (excluding patients taken directly to theatre)**

01 April 2015 to 31 March 2016

Hospital	n	n with CT date & time recorded	Median time to CT scanning (hours)	Interquartile range (hours)
Conquest Hospital	34	34		
Eastbourne District General Hospital	32	32		
Princess Royal Haywards Heath	10	10		
Royal Sussex County Hospital	152	152		
St. Richards Hospital	55	55		
Worthing Hospital	47	47		

01 April 2016 to 31 March 2017

Hospital	n	n with CT date & time recorded	Median time to CT scanning (hours)	Interquartile range (hours)
Conquest Hospital	9	9		
Eastbourne District General Hospital	5	5		
Princess Royal Haywards Heath	19	19		
Royal Sussex County Hospital	180	180		
St. Richards Hospital	37	37		
Worthing Hospital	60	60		

Sussex Trauma Network

Time to CT scan - NICE head injury criteria**Direct admissions (excluding patients taken directly to theatre)**

01 April 2015 to 31 March 2016

Hospital	n	n with CT date & time recorded	Median time to CT scanning (hours)	Interquartile range (hours)
Conquest Hospital	8	8		
Royal Sussex County Hospital	46	46		
St. Richards Hospital	3	3		
Worthing Hospital	9	9		

01 April 2016 to 31 March 2017

Hospital	n	n with CT date & time recorded	Median time to CT scanning (hours)	Interquartile range (hours)
Conquest Hospital	1	1		
Eastbourne District General Hospital	2	2		
Princess Royal Haywards Heath	2	2		
Royal Sussex County Hospital	39	39		
St. Richards Hospital	8	8		
Worthing Hospital	10	10		

Time to Operation**Direct Admissions (excluding patients with a time difference greater than 24 hours)**

Trauma Unit data only

Patient category	n	Median time to operation (mins)
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01 April 2016 to 31 March 2017

All Patients	86	1126 (845 - 1280)
AIS 3+ Head Injury	2	

01 April 2015 to 31 March 2016

All Patients	130	1012 (717 - 1237)
AIS 3+ Head Injury	3	

Sussex Trauma Network**Time to Operation - All Patients****Direct Admissions (excluding patients with a time difference greater than 24 hours)**

01 April 2015 to 31 March 2016

Hospital	n	Median time to operation (hours)	Interquartile range (hours)
Conquest Hospital	43		
Eastbourne District General Hospital	4		
Princess Royal Haywards Heath	4		
Royal Sussex County Hospital	132		
St. Richards Hospital	41		
Worthing Hospital	38		

01 April 2016 to 31 March 2017

Hospital	n	Median time to operation (hours)	Interquartile range (hours)
Conquest Hospital	3		
Princess Royal Haywards Heath	7		
Royal Sussex County Hospital	161		
St. Richards Hospital	31		
Worthing Hospital	45		

Sussex Trauma Network
Time to Operation - AIS 3+ Head Injury
Direct Admissions (excluding patients with a time difference greater than 24 hours)

01 April 2015 to 31 March 2016

Hospital	n	Median time to operation (hours)	Interquartile range (hours)
Eastbourne District General Hospital	1		
Princess Royal Haywards Heath	1		
Royal Sussex County Hospital	21		
Worthing Hospital	1		

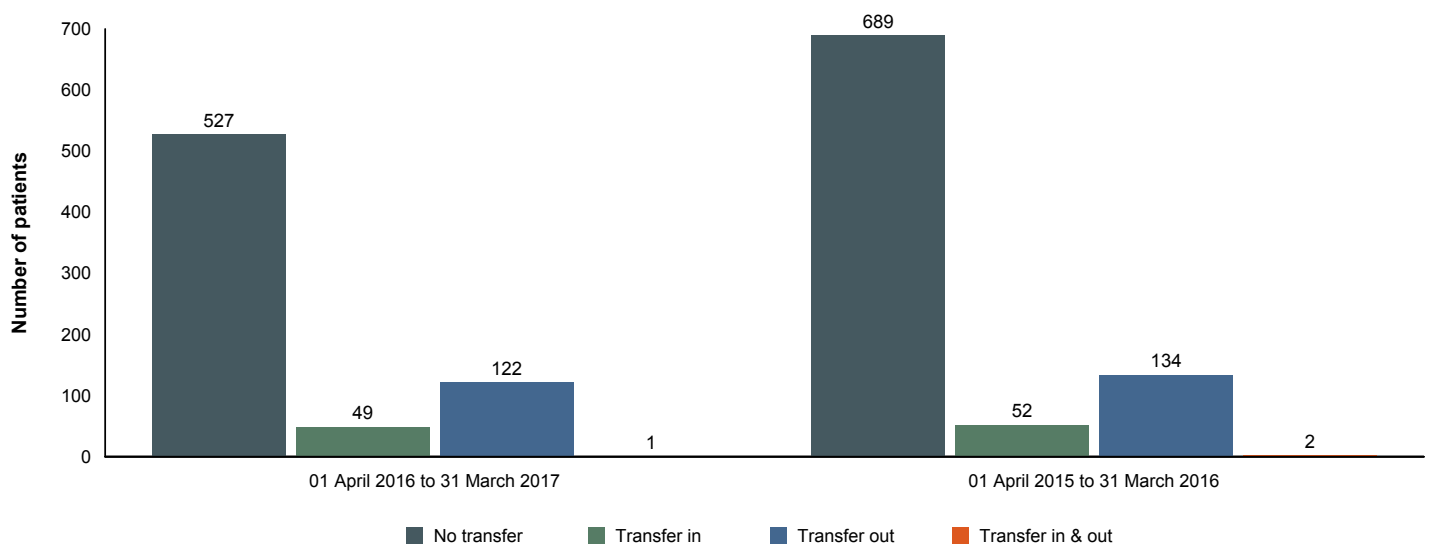
01 April 2016 to 31 March 2017

Hospital	n	Median time to operation (hours)	Interquartile range (hours)
Princess Royal Haywards Heath	2		
Royal Sussex County Hospital	28		

Sussex Trauma Network
Transfer between hospitals
 Trauma Unit data only

Transfer between hospitals

Date range	No transfer	Transfer in	Transfer out	Transfer in & out
01 April 2016 to 31 March 2017	527 (75.4%)	49 (7.0%)	122 (17.5%)	1 (0.1%)
01 April 2015 to 31 March 2016	689 (78.6%)	52 (5.9%)	134 (15.3%)	2 (0.2%)

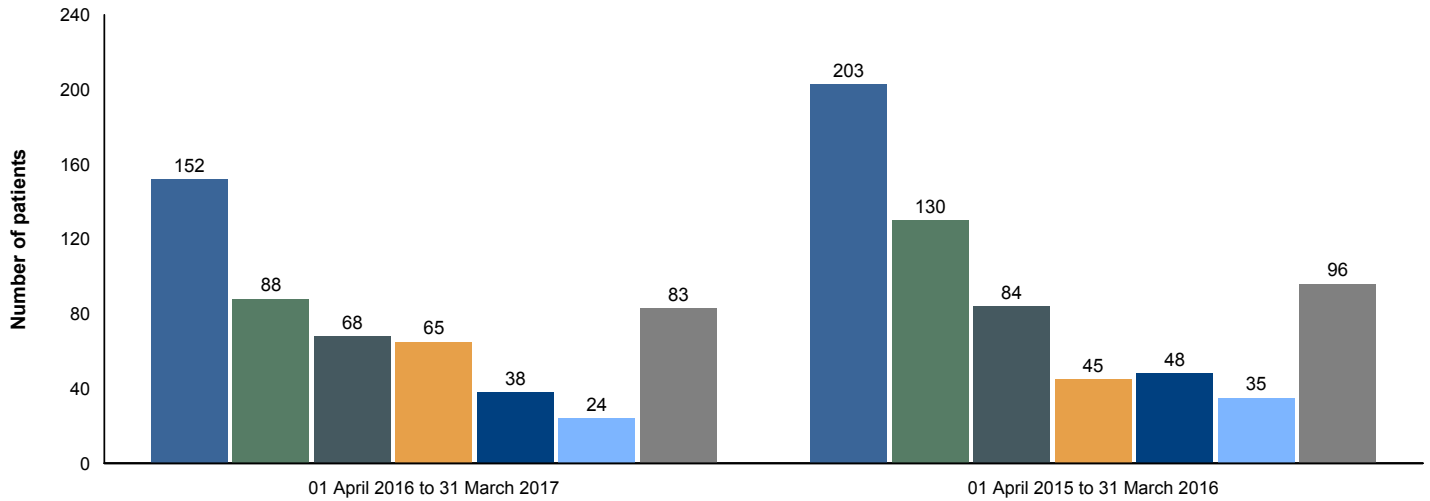


Sussex Trauma Network
Length of stay in hospital
 Trauma Unit data only

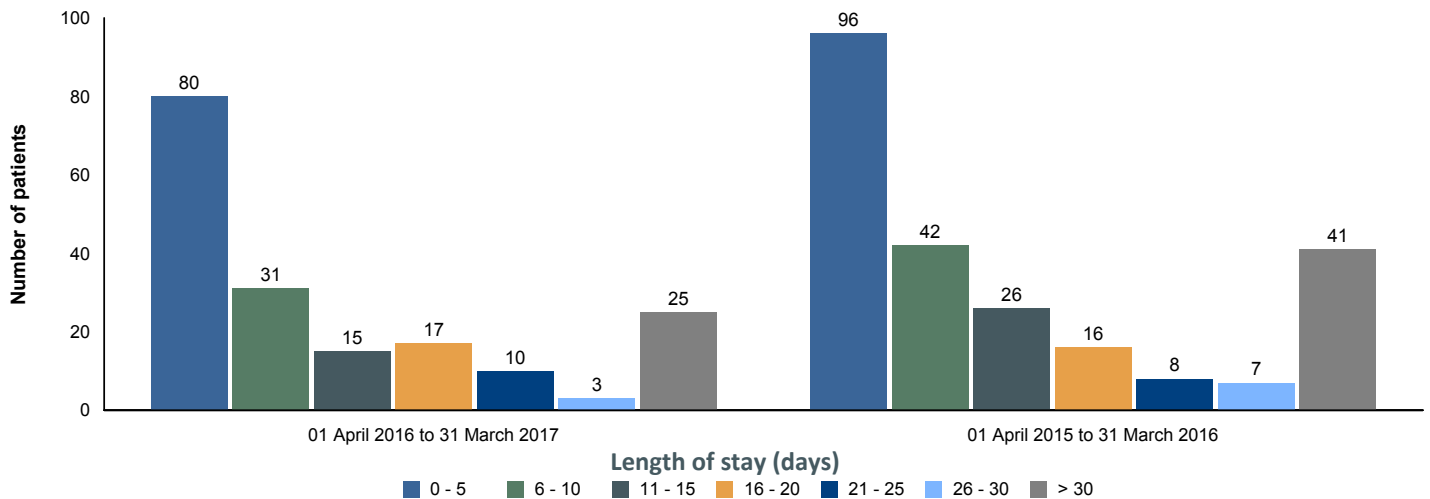
Date range	ISS <= 15			ISS > 15		
	n	Median length of stay	Total bed days	n	Median length of stay	Total bed days
01 April 2016 to 31 March 2017	518	12 (5 - 22)	8932	181	7 (3 - 17)	2590
01 April 2015 to 31 March 2016	641	10 (5 - 23)	11499	236	8 (3 - 19)	4058

All values are median number of days (interquartile range)

Total length of stay, patients with an ISS <= 15



Total length of stay, patients with an ISS > 15

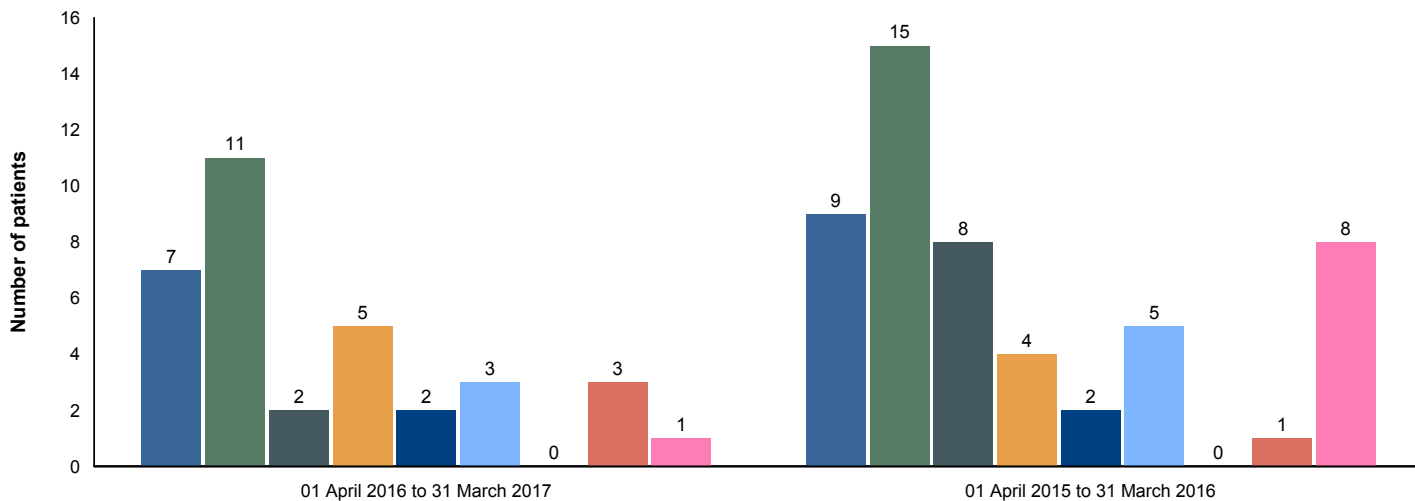


Sussex Trauma Network Critical Care Information

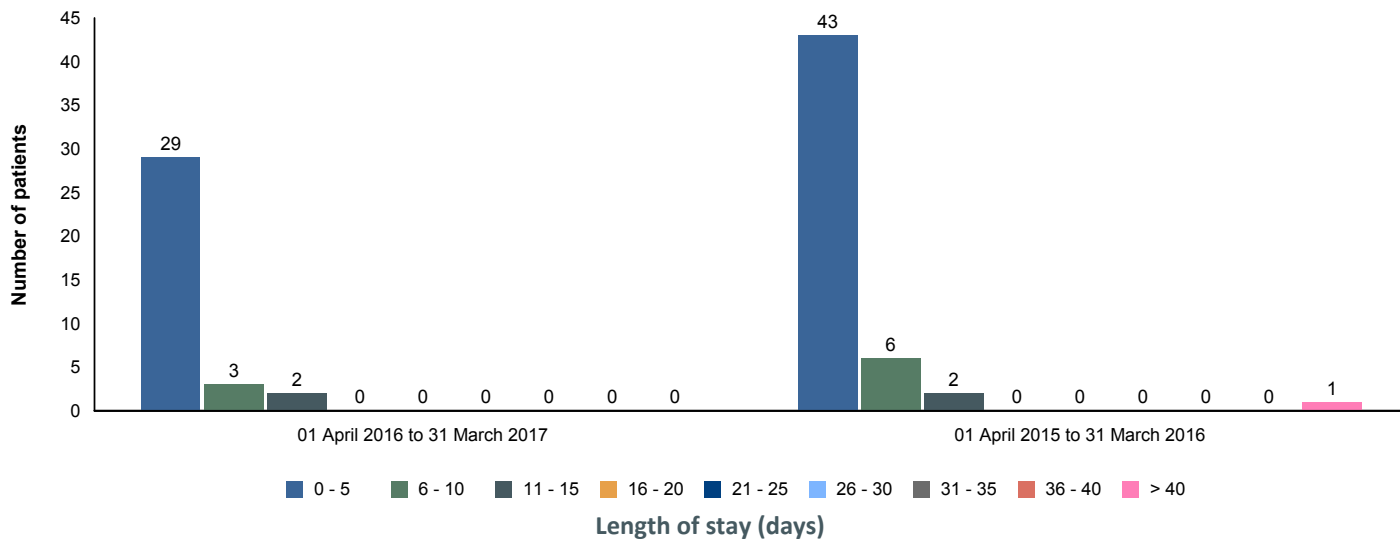
Trauma Unit data only

Date range	Patients that went to critical care	Median total length of stay (days)	Median length of stay in critical care (days)	Readmissions to critical care	Readmissions to critical care with dates recorded	Readmissions to critical care within 48 hours
01 April 2016 to 31 March 2017	34	10 (6 - 21)	2 (1 - 4)	1 (2.9%)	0 (0.0%)	n/a
01 April 2015 to 31 March 2016	52	11 (8 - 27)	1 (1 - 3)	1 (1.9%)	0 (0.0%)	n/a

Total length of stay, patients that went to critical care



Total length of stay in critical care



Legend for Length of stay (days):
 ■ 0 - 5 ■ 6 - 10 ■ 11 - 15 ■ 16 - 20 ■ 21 - 25 ■ 26 - 30 ■ 31 - 35 ■ 36 - 40 ■ > 40

Sussex Trauma Network Critical Care Information

Site	n	Median total length of stay (days)	Median length of stay in critical care (days)	Readmissions to critical care	Readmissions to critical care with dates recorded	Readmissions to critical care within 48 hours
01 April 2015 to 31 March 2016						
Conquest Hospital	12	11 (8 - 15)	1 (1 - 1)	1 (8.3%)	0 (0.0%)	n/a
Eastbourne District General Hospital	4	4	2	0 (0.0%)	n/a	n/a
Princess Royal Haywards Heath	5	41 (41 - 48)	2 (2 - 4)	0 (0.0%)	n/a	n/a
Royal Sussex County Hospital	194	13 (7 - 22)	4 (2 - 7)	14 (7.2%)	0 (0.0%)	n/a
St. Richards Hospital	21	10 (8 - 16)	1 (1 - 3)	0 (0.0%)	n/a	n/a
Worthing Hospital	10	20 (12 - 38)	2 (1 - 10)	0 (0.0%)	n/a	n/a
01 April 2016 to 31 March 2017						
Princess Royal Haywards Heath	6	16 (10 - 27)	2 (1 - 3)	0 (0.0%)	n/a	n/a
Royal Sussex County Hospital	213	13 (7 - 22)	3 (2 - 7)	9 (4.2%)	0 (0.0%)	n/a
St. Richards Hospital	21	10 (9 - 19)	2 (1 - 4)	1 (4.8%)	0 (0.0%)	n/a
Worthing Hospital	7	10 (9 - 18)	4 (4 - 4)	0 (0.0%)	n/a	n/a



TARN

THE TRAUMA AUDIT & RESEARCH NETWORK

Sussex Trauma Network

SECTION II

PATIENTS WITH ORTHOPAEDIC INJURIES



Sussex Trauma Network

Patients meeting the BOAST 4 injury criteria - stabilisation and cover

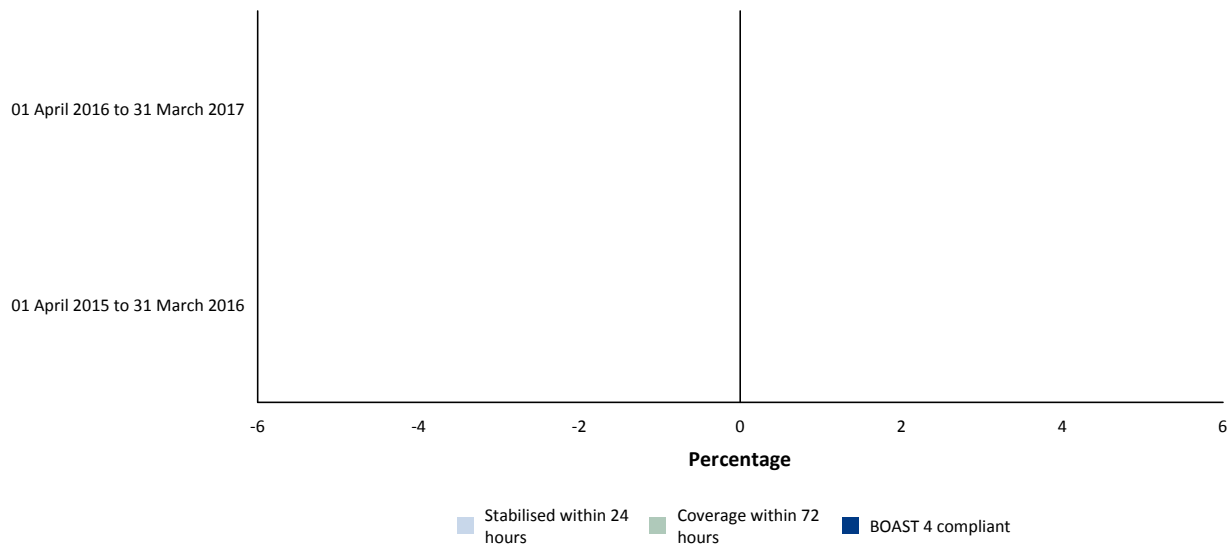
Trauma Unit data only

The measures reported here reflect not only data recorded at this hospital but also others, where the patient was referred from or transferred to.

Patients with open fractures of the tibia, graded as Gustilo IIIB or IIIC are eligible for the BOAST 4 standard.

BOAST 4 compliance

Date range	Total	Stabilisation		Soft tissue cover			BOAST 4 compliant	
		Median hours to operation	Within 24 hours n %	Median hours to operation	Within 72 hours n %	n %		
01 April 2016 to 31 March 2017	1		0 0.0		0 0.0	0 0.0		
01 April 2015 to 31 March 2016	1		0 0.0		0 0.0	0 0.0		



In order to be BOAST 4 compliant patients need to be stabilised within 24 hours of injury and have soft tissue cover within 72 hours of injury.

Sussex Trauma Network

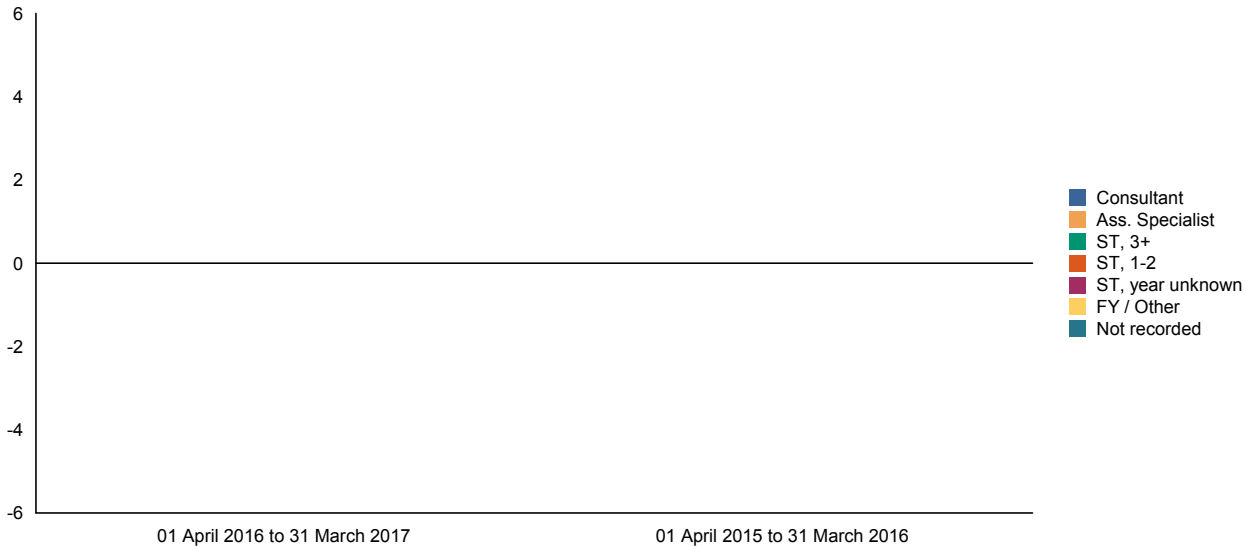
Patients meeting the BOAST 4 injury criteria - grade of most senior surgeon providing stabilisation and cover

Trauma Unit data only

The measures reported here reflect not only data recorded at this hospital but also others, where the patient was referred from or transferred to.

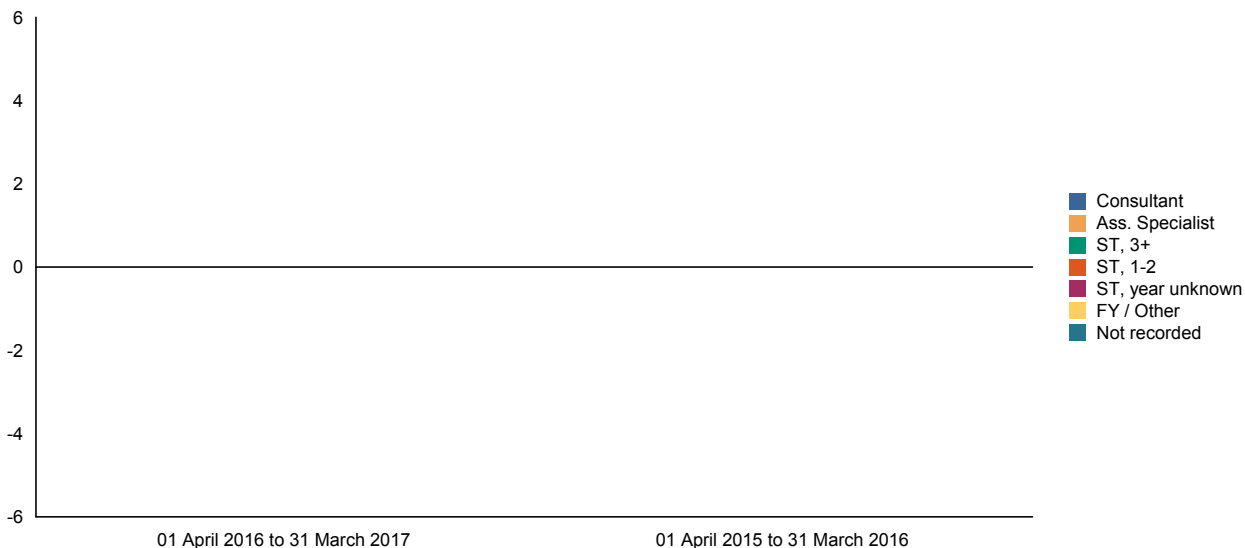
Surgical stabilisation of the fracture

Date range	Operation recorded	Consultant	Associate specialist	ST: 3+	ST: 1 - 2	ST: Year unknown	Foundation Year / Other	Not Recorded
01 April 2016 to 31 March 2017	0	0 ()	0 ()	0 ()	0 ()	0 ()	0 ()	0 ()
01 April 2015 to 31 March 2016	0	0 ()	0 ()	0 ()	0 ()	0 ()	0 ()	0 ()



Soft tissue cover of the fracture

Date range	Operation recorded	Consultant	Associate specialist	ST: 3+	ST: 1 - 2	ST: Year unknown	Foundation Year / Other	Not Recorded
01 April 2016 to 31 March 2017	0	0 ()	0 ()	0 ()	0 ()	0 ()	0 ()	0 ()
01 April 2015 to 31 March 2016	0	0 ()	0 ()	0 ()	0 ()	0 ()	0 ()	0 ()



Sussex Trauma Network Patients meeting the BOAST 4 injury criteria

Patients with arrival dates between 01 April 2015 to 31 March 2016

Surgical stabilisation of the fracture

Hospital	Total	Relevant operation recorded		Operation within 24 hours		Median hours to operation
		n	%	n	%	
Conquest Hospital	1	0	0.0	0	0.0	
Royal Sussex County Hospital	17	16	94.1	12	70.6	8.0

Soft tissue cover of the fracture

Hospital	Total	Relevant operation recorded		Operation within 72 hours		Median hours to operation
		n	%	n	%	
Conquest Hospital	1	0	0.0	0	0.0	
Royal Sussex County Hospital	17	7	41.2	6	35.3	8.0

Patients with arrival dates between 01 April 2016 to 31 March 2017

Surgical stabilisation of the fracture

Hospital	Total	Relevant operation recorded		Operation within 24 hours		Median hours to operation
		n	%	n	%	
Conquest Hospital	1	0	0.0	0	0.0	
Royal Sussex County Hospital	16	16	100.0	12	75.0	16.7

Soft tissue cover of the fracture

Hospital	Total	Relevant operation recorded		Operation within 72 hours		Median hours to operation
		n	%	n	%	
Conquest Hospital	1	0	0.0	0	0.0	
Royal Sussex County Hospital	16	14	87.5	9	56.3	41.4

Sussex Trauma Network Patients with severe (AIS 4+) pelvic fractures

Combined MTC and Trauma Unit data

Transfer Status	n	Imaging	Imaging date & time recorded	Median time to imaging (mins)	Interquartile range	Operation	Operation date & time recorded	Median time to operation (mins)	Interquartile range
01 April 2016 to 31 March 2017									
Direct Admissions	35	34	33	15	8 - 30	23	22	1307	472 - 4190
Transfers In	8	2	2	9225		5	4	7413	
01 April 2015 to 31 March 2016									
Direct Admissions	30	30	30	15	10 - 29	16	15	1438	1105 - 4249
Transfers In	7	2	2	151		3	3	3514	

Imaging includes CT scan, CT scan + contrast, MRI scan and AP & Judet Radiograph

Sussex Trauma Network

Patients with severe (AIS 4+) pelvic fractures

Hospital	n	Imaging	Imaging date & time recorded	Median time to imaging (mins)	Interquartile range	Operation	Operation date & time recorded	Median time to operation (mins)	Interquartile range
01 April 2016 to 31 March 2017									
Direct Admissions									
Princess Royal Haywards Heath	1	1	1	62		0	0		
Royal Sussex County Hospital	31	30	29	15	8 - 19	23	22	1307	472 - 4190
St. Richards Hospital	3	3	3	115		0	0		
Transfers In									
Princess Royal Haywards Heath	1	0	0			1	0		
Royal Sussex County Hospital	5	1	1	9770		4	4	7413	
Worthing Hospital	2	1	1	8679		0	0		
01 April 2015 to 31 March 2016									
Direct Admissions									
Conquest Hospital	2	2	2	156		0	0		
Royal Sussex County Hospital	26	26	26	14	10 - 20	16	15	1438	1105 - 4249
Worthing Hospital	2	2	2	2059		0	0		
Transfers In									
Royal Sussex County Hospital	5	2	2	151		3	3	3514	
Worthing Hospital	2	0	0			0	0		

Sussex Trauma Network

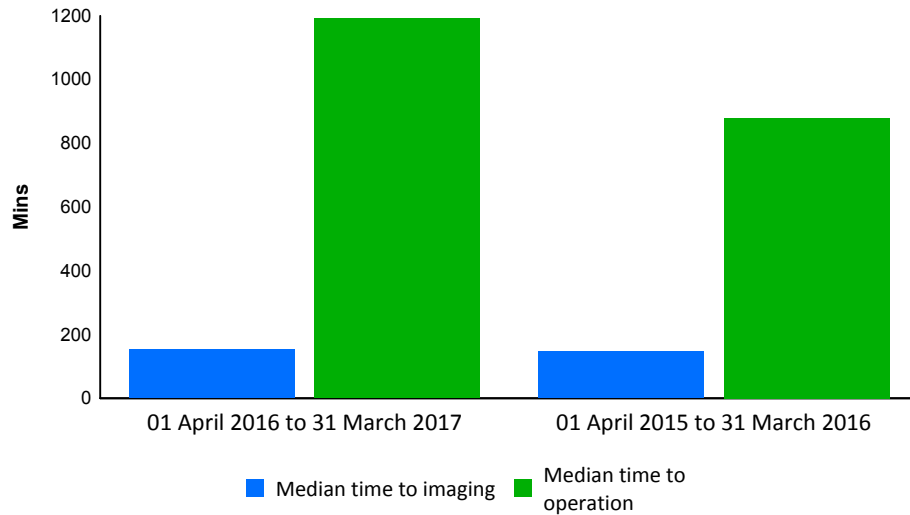
Patients with open fractures of the limbs

The measures reported here reflect not only data recorded at this hospital but also others, where the patient was referred from or transferred to.

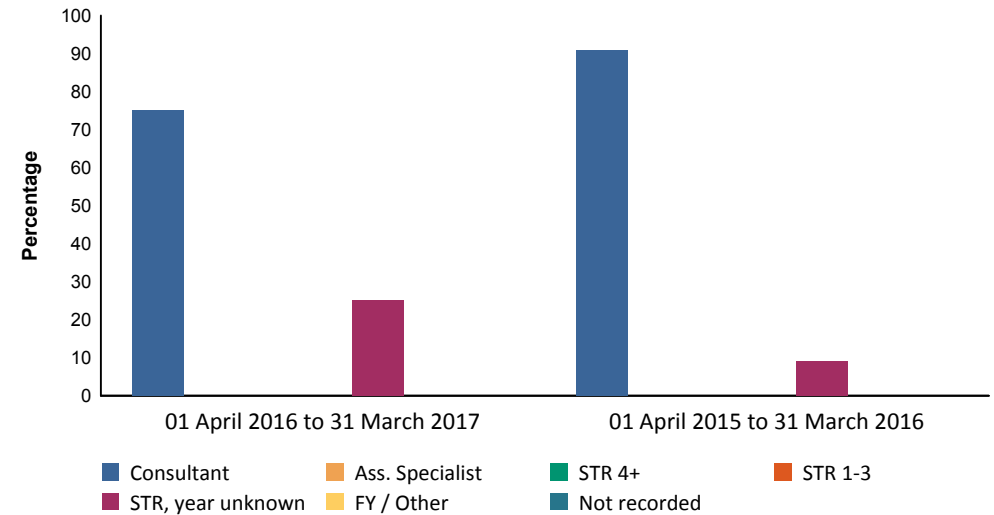
Trauma Unit data only

Date range	Number of patients	Imaging with date & time recorded	Median mins to imaging (IQR)	Operation recorded	Operation with date & time recorded	Median mins to operation (IQR)	Grade of surgeon performing earliest operation						
							Consultant	Associate specialist	ST: 3+	ST: 1 - 2	ST: Year unknown	Foundation Year /	Not recorded
01 April 2016 to 31 March 2017	9	7	153 (142 - 271)	4	3	1192	3 (75%)	0 (0%)	0 (0%)	0 (0%)	1 (25%)	0 (0%)	0 (0%)
01 April 2015 to 31 March 2016	19	16	147 (132 - 180)	11	9	880 (880 - 1283)	10 (90.9%)	0 (0%)	0 (0%)	0 (0%)	1 (9.1%)	0 (0%)	0 (0%)

Time to scanning & operations



Grade of surgeon performing earliest operation



Imaging includes CT scan, CT scan + contrast, MRI scan and AP & Judet Radiograph

Sussex Trauma Network

Patients with open fractures of the limbs

01 April 2016 to 31 March 2017

Hospital	Number of patients	Imaging with date & time recorded	Median mins to imaging (IQR)	Operation recorded	Operation with date & time recorded	Median mins to operation (IQR)	Grade of surgeon performing earliest operation						
							Consultant	Associate specialist	ST, 3+	ST, 1 - 2	ST, year unknown	Foundation Year /	Not recorded
Conquest Hospital	1	1	183	0	0								
Royal Sussex County Hospital	57	36	181 (135 - 254)	32	19	1284 (1192 - 2641)	30 (93.8%)	0 (0%)	2 (6.3%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
St. Richards Hospital	3	3	153	1	1	1192	1 (100%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Worthing Hospital	5	3	142	3	2	848	2 (66.7%)	0 (0%)	0 (0%)	0 (0%)	1 (33.3%)	0 (0%)	0 (0%)

