

Report to:	Public Board of Directors	Agenda item:	13
Date of Meeting:	25 April 2018		

Title of Report:	Four Hour Improvement Plan 2017/18
Status:	For Action
<b>Board Sponsor:</b>	Francesca Thompson, Chief Operating Officer
Author:	Sarah Hudson, Acting Divisional Manager Medicine
Appendices	None

#### 1. Executive Summary of the Report

To update the Board of Directors on the 2017/18 RUH Urgent Care Collaborative Board programme performance. The report reflects information up to and including the 31<sup>st</sup> March 2018

### 2. Recommendations (Note, Approve, Discuss)

The Board of Directors are asked to note the following:

Factors affecting performance

- Ambulance conveyance activity + 4.4% variance compared to 2016/17 for week ending 25/03/18.
- Emergency presentations +1.8% year to date variance compared to last financial year
- Emergency Department attendances +0.1% year to date variance compared to last financial year
- There were 1494 beds closed in month due to infection (flu and norovirus)
- Negative impact on bed capacity due to Delayed Transfers of Care (DTOC). 20
  patients reported at the month end snapshot and 735 delayed days (4.0%)
  reported

#### Areas for improvement in April 2018:

- Delivery of the weekly actions within the system wide 4 hour improvement plan, including the recommendations of the NHS Improvement Director of Urgent and Emergency Care. Continue to work with ECIP and subject experts to make service improvements
- System wide focus on patients with a length of stay of > 21 days, supported by the Integrated Discharge Service and Business Intelligence with daily reporting
- Medicine division focus on testing of the daily tactical flow meetings, improving escalation and communication with the aim to support early discharge and reduce length of stay across specialty ward areas

#### 3. Legal / Regulatory Implications

Care Quality Commission (CQC) Registration 2016/17

Authors :Sarah Hudson Acting Divisional Manager Medicine	Date: 1 April 2018
Document Approved by: Francesca Thompson, Chief Operating Officer	Version: v2
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# 4. Risk (Threats or opportunities, link to a risk on the Risk Register, Board Assurance Framework etc)

The 4 hour performance is currently on the risk register ID: 63

### 5. Resources Implications (Financial / staffing)

Any requests for investment linked to this programme will continue to be reviewed monthly by the Urgent Care Collaborative Board and as directed by the Board, business cases taken through the usual Trust process.

### 6. | Equality and Diversity

All services are delivered in line with the Trust's Equality and Diversity Policy.

#### 7. References to previous reports

Monthly 4 hour performance reports and ECIP Recommendations.

#### 8. Freedom of Information

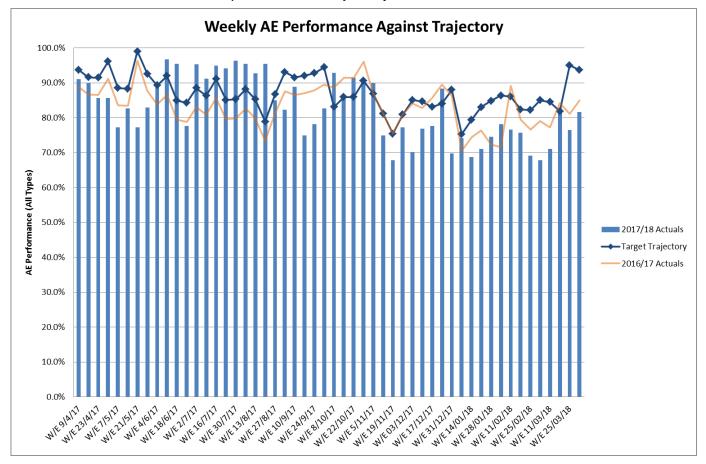
Public



## 1. RUH 4 Hour Performance: March 2018 Month 12

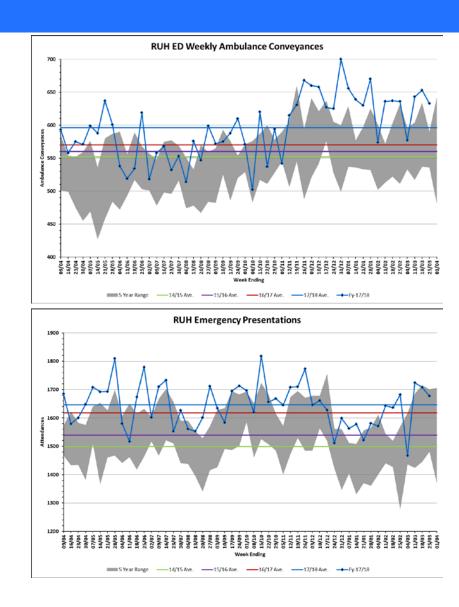
### Improvement Trajectory – Category 4

- •March 2018 four hour performance not achieved 76.6% (All Types)
- •Performance did not meet the performance trajectory of 83.4%

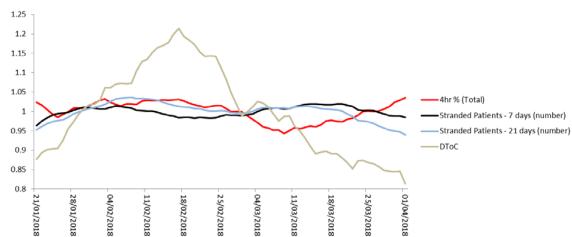


#### **Key Diagnostics**

- Ambulance conveyance activity +4.4% variance compared to 2016/17 for week ending 25/03/18.
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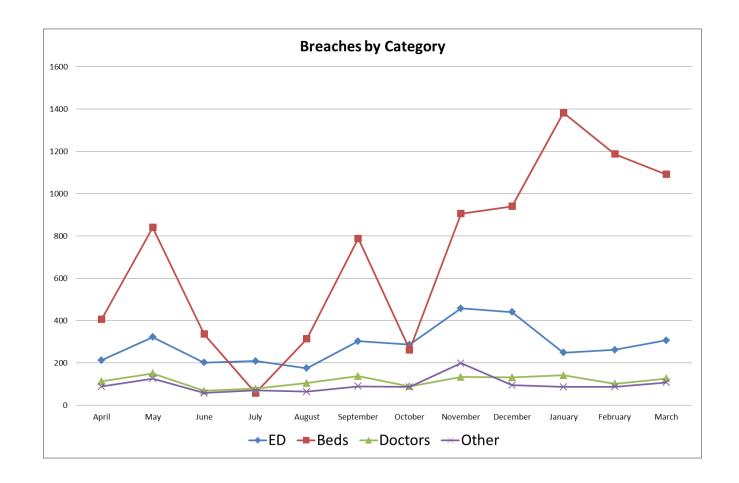
# Metric comparison for Royal United Hospitals Bath NHS Foundation Trust



## 2. Four Hour Breach Reasons

### **Factors Influencing Breaches**

- Sustained high levels of ambulance arrivals in month and continuing into April 2018
- Bed occupancy 97.2% ( high) resulting in a high numbers of bed breaches
- Flow and 4 hour performance negatively impacted by
  - High bed occupancy
  - Closed ward areas due to infection (Flu and Norovirus)
- The Trust declared internal significant incident over 4 days in month, in response to capacity demand concerns and poor flow
- A system wide 4 hour performance improvement plan is in place with weekly monitoring via the Urgent Care Task and Finish Group. Progressed weekly in preparation for system wide Gold calls.



Category	Breach Reason	April	May	June	July	August	September	October	November	December	January	February	March	YTD	YTD %
	ED Delays	109	226	156	126	116	219	180	356	340	172	179	227	2406	17%
ED	Clinical Exception	104	96	46	83	59	84	106	102	101	77	83	80	1021	7%
	Medical Bed	280	635	269	17	254	612	207	687	709	1000	892	851	6413	44%
	Surgical Bed	87	140	41	19	30	128	30	161	143	228	188	131	1326	9%
	Observation Bed	19	20	14	7	6	10	15	20	18	19	12	15	175	1%
	Paediatric Bed		2			1	2		4	8	8	0	2	27	0%
Beds	Side Room	21	44	12	15	23	37	10	34	63	127	96	93	575	4%
	Medical Doctor	17	16	5	14	27	28	18	23	34	29	21	25	257	2%
	Surgical Doctor	44	66	25	37	41	55	39	62	52	65	41	41	568	4%
	Other Doctor	12	9	4	4	5	15	4	1	0	0	0	0	54	0%
	Mental Health	33	50	32	21	28	30	22	28	30	25	22	37	358	2%
Doctors	Radiology	7	10	2	2	4	9	6	19	15	23	18	23	138	1%
	Other	88	124	58	70	64	89	86	116	70	63	75	77	980	7%
Other		0	2	0	0	0	0	0	83	25	23	12	31	176	1%
	Total:	821	1440	664	415	658	1318	723	1696	1608	1859	1639	1633	14474	100%
OOH (7pm-8am) Arrival Breach Total:		372	647	306	179	321	595	387	754	799	771	705	797	6633	46%
Evening (8pm-Midnight) Arrival Breaches Total:		147	302	120	91	138	257	150	331	340	323	286	331	2816	19%

<sup>\*</sup> Change in IT system resulted in a period of non capture of breach codes (classified as unknown) which has now been resolved. There are also additional breach codes available which for the purposes of this report have been grouped as "other"

## 3.1 Monthly Urgent Care and Flow Dashboard - Diagnostics

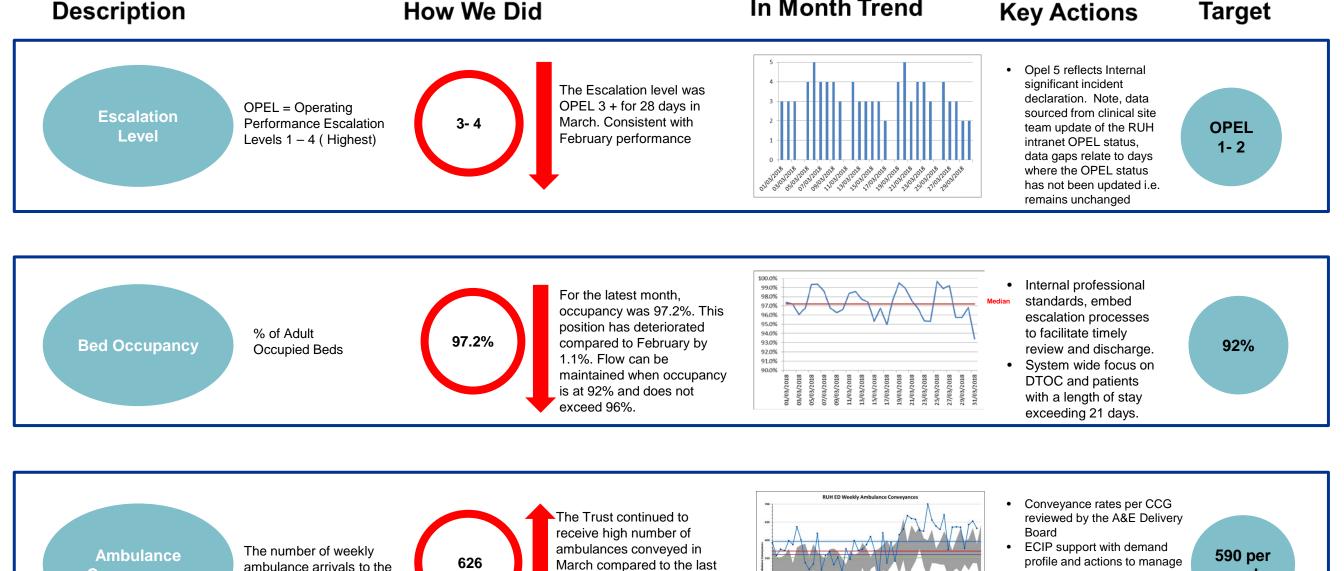
ambulance arrivals to the

Trust

**How We Did** 

**Description** 

Conveyances



5 years, sustained for last 3

consecutive weeks of the

month.

In Month Trend

week

demand - ECIP subject expert

escalation modelling required to support RUH planning

on site 15/03/18

SWAST prediction and

**Target** 

# 3. 2 Monthly Urgent Care and Flow Dashboard – SAFE

### **Description**

### **How We Did**

### In Month Trend

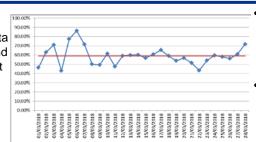
### **Key Actions**

### **Target**

Emergency Department Time to Triage The % of patients that are triaged within 15 minutes of arrival to the Emergency Department



Millennium changes implemented 26/02/18. Data quality issues identified and included on IT improvement plan. Time to triage range 40% - 72%, median 59%



March 2018 reported data full months dataset following Millennium changes in place end of February 2018. Data quality issues remain, identified in IT improvement plan

Rapid Assessment and Treatment (RAT) pilot commenced focused on peak arrival times, PDSA concluded end of March 2018 outcomes to be reviewed at the Urgent Care Collaborative Board April 2018



Frailty Flying Squad (FFS) Patients over 75 years attending ED with a frailty score of >5 receive a speciality multidisciplinary review by the Frailty Flying Squad



Full Frailty Flying Squad service in place throughout March weekdays. Manual data capture in place, further KPI analysis through Frailty Big Room to determine admission avoidance rate and overall impact on length of stay with early intervention

- Manual data capture in place, IT supporting work to capture frailty marker on Millennium
- Frailly Flying Squad in place in the Emergency Department weekdays



Patient Environment Number of patients in month that ED cared for queuing in the department



1480 patients spent part of their attendance outside of an ED cubicle (21% of all ED attendances in month). Reduced total number of patients compared to February 2018



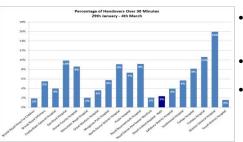
- Continued promotion in month of the Home Hub to support early flow out of the Emergency Department
- Tactical flow meetings (Medicine & Surgery) to identify discharges and barriers to discharges to support planning for next day and enabling early flow
- HALO and SWAST duty manager support during periods of highest demand



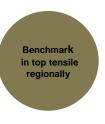
Ambulance handovers should be within 60 minutes



98% of ambulances were handed over to Emergency Department staff within 30 minutes (data source SWAST)



- Maintain high level of handovers from ambulance to ED and minimise ambulance delays
- Maintain good relationships and communication with SWAT
- ECIP ambulance subject expert on site 15/03/18, recommendations received and action plan being developed with on site ECIP support



## 3. 3 Monthly Urgent Care and Flow Dashboard - Well Led

Description How We Did In Month Trend Key Actions Target

Nursing staffing rota coverage in ED

The percentage of nurse shifts in the Emergency Department that are not filled with substantive or bank staff

Currently unable to report

- Unable to report for March 2018 shifts, data capture now in place
- Nurse rostering data confirmed as available and will be included in the next report
- Winter funded scheme additional nurse shift fill reported on page 10

>85%

Medical staffing rota coverage in ED

The percentage of doctor shifts in the Emergency Department that are not filled with substantive or bank staff

Currently unable to report

- Reporting in place for April 2018 shifts
- Consultant hours extended to midnight 7 days per week
- Middle grade rota gaps remain an issue, mitigation through use of locum/agency where available
- Winter funded scheme additional nurse shift fill reported on page 10

>85%

National Early Warning Score

National Early Warning Score (NEWS) compliance Emergency Department



Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	March 18
93%	100%	98%	94%	NA	100%

- Quality improvement team continue to work in the Emergency Department
- Data validation required for February 2018

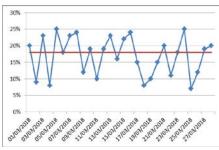
>90%

Discharges by Midday

The % of Non-Elective inpatients discharged by Midday



18.0% of discharges occurred before Midday, increase of 0.5% compared to February2018



Patients for Home Hub the next day to be identified at Divisional Tactical Flow meetings to support early flow out of the Emergency Department

33%

days from referral to discharge with Home First

BaNES

2.5 days

Wiltshire

1.6 days

Somerset

Data Not Received

South Gloucestershire

2.0 days



- Weekly Home First Group in place
- Home First Group completed FLOW training to develop and improve QI and coaching skills, supported by NHS Leadership funding.
- Mid range targets for referrals (graph) achieved

1 day

## 3. 4 Monthly Urgent Care and Flow Dashboard - Effective

**Description** 

### **How We Did**

### In Month Trend

**Key Actions** 

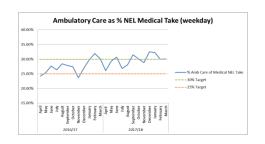
**Target** 

Ambulatory care

Medical Ambulatory Care as % of Adult Non Elective Medical Take (weekday)



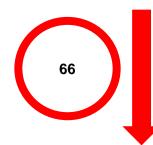
Sustained performance above national requirement of 30% of the medical take through ambulatory care



 Winter planning 2018/19 increase physical capacity of the Ambulatory Care Unit to further improve opportunity to manage more patients through this pathway. Capital funding agreed (national allocation).

30%

Specialty Review The number of 4 hour breaches due to specialty doctor review delays



	Apr-17	May- 17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	
Medical Doctor	17	16	5	14	27	28	18	23	34	29	21	25	
Surgical Doctor	44	66	25	37	41	55	39	62	52	65	41	41	•

Performance remains below internal standard, negatively impacting on 4 hour performance

Internal professional standards, embed escalation processes to facilitate timely review and decision to admit or discharge

Monitoring of the response within 60 minutes of request by the ED team

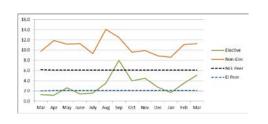
T&O response within 20 minutes to be tested (PDSA)

20

Length of Stay Cardiology The median length of stay for patients admitted to Cardiology will have a length of non-elective stay of 6.1 day on line with peers



Non-elective length of stay deteriorated on month. (February 11.1 days)



Review of process for the management of patient on outlying wards requiring cardiac input and or procedure

Focus on transfers to the Bristol Heart Institute in line with network repatriation policy

Tactical flow engagement and LoS improvement trajectory against peers

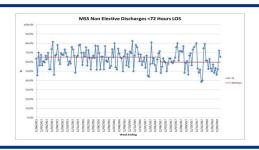
6.1 days

Length of Stay
MSS

The median length of stay for patients admitted on Medical Short Stay Unit will be less than 72 Hours



57.8% of patients discharged from the Medical Short Stay Unit had a Length of Stay of < 72 hours in March 2018. Impacted by poor trust wide flow and high occupancy and cardiac procedure waiters

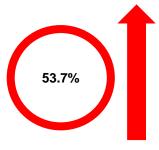


 Opportunity identified to increase throughout, currently limited by patients awaiting cardiac procedures

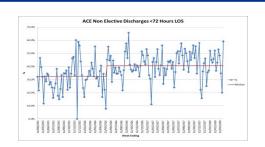
 Clinical lead for cardiology supporting work to prioritise non-elective procedures within 72 hours of request 66.7%

Length of Stay
ACE

The median length of stay for patients admitted on Frailty Short Stay Unit (ACE) will be less than 72 Hours



53.7% of patients discharged from the Frailty Short Stay Unit (ACE) had a Length of Stay of < 72 hours in March 2018 (peaked at 59.1%). Impacted due to poor trust wide flow and bed closures due to infection

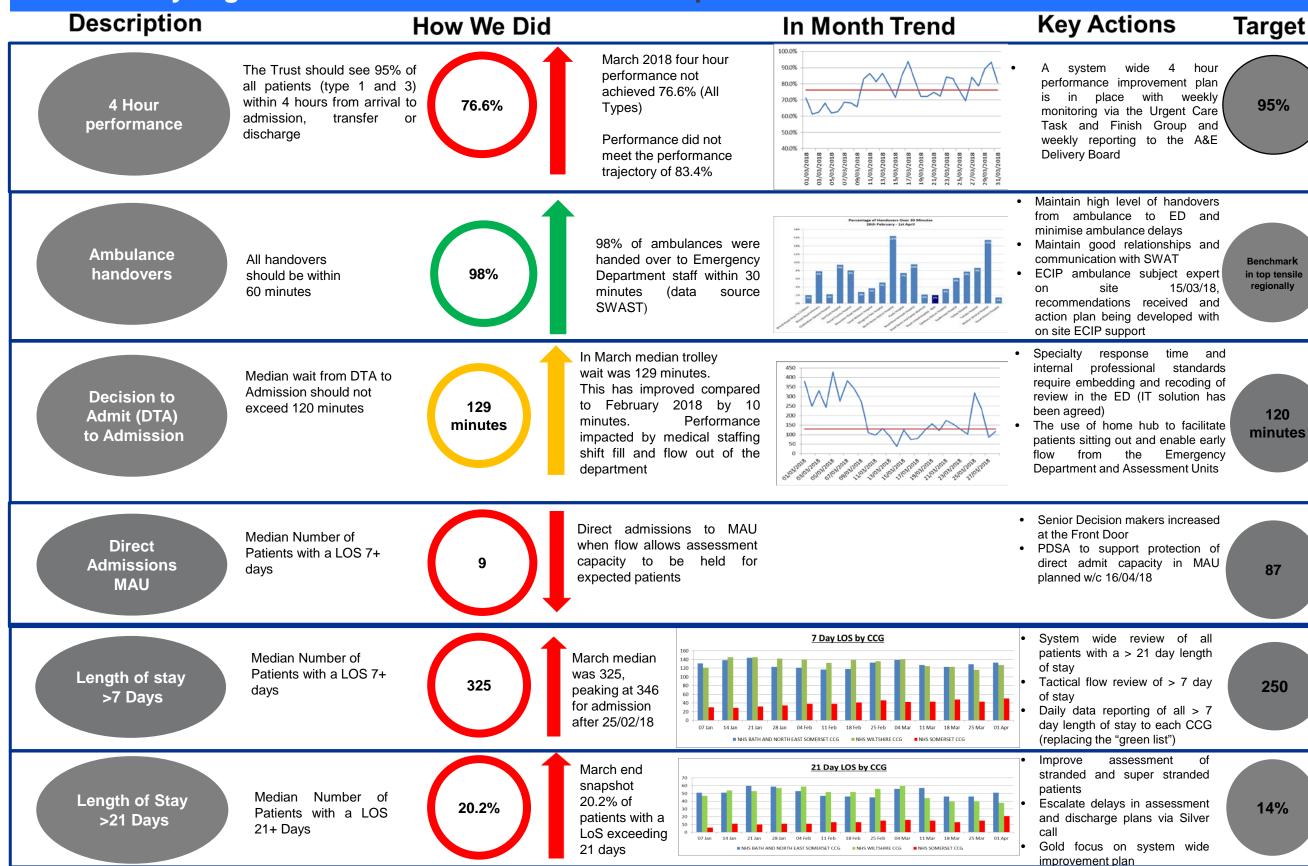


 Frailty Big Room weekly review of data and applying QI methodology to continually improve position and patient throughput

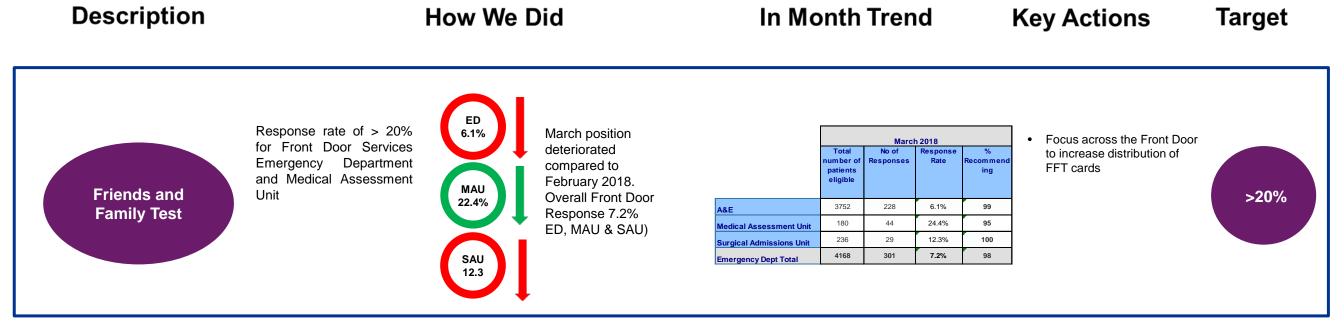
Earlier discharge Impacted by limitation in Home First Capacity 66.7%

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## 3. 5 Monthly Urgent Care and Flow Dashboard – Responsive



# 3. 6 Monthly Urgent Care and Flow Dashboard - Caring



# 4. National Urgent and Emergency Care Recommendations

On the 7th March 2018, the NHS Improvement National Urgent & Emergency Care Director and NHSE Director of Commissioning & Operations visited the RUH and met with members of the Executive team and the Medicine Division.

The focus was visiting the emergency department and gaining an understanding of the root causes to our level of 4 hour performance.

The following is a summary of the NHS Improvement National Directors ED pathway observations and thoughts, following discussion with the NHSE National Director of Operations who has also recently visited the RUH

These points have all been included in the system improvement plan and monitored weekly by the urgent task and finish group, Chaired by the Divisional Manager for Medicine.

- an expectation that frontline staff should continually trial and experiment on making changes to achieve better outcomes
- a determination that the Urgent Care Centre will be optimised at the point of mobilising the new contract, through the use of acute staff skillset
- an expectation that the emergency department is freshly decorated to enhance the patient and staff experience
- a positive view that the emergency department is right sized and minors and paediatrics is functioning to national expectation
- an expectation that the orthopaedic inter professional standard for patient review is set at 20 minutes opposed to 60 minutes
- an expectation that ITU capacity is prioritised to facilitate timely ED transfers
- an expectation that a bed management system will be prioritised and implemented with ease for frontline staff
- an expectation that the senior review of patients is taking place twice daily and with a level of continuity
- an expectation of Executive oversight in stranded patients and overall length of stay
- an acknowledgement of the super stranded patient levels and the collective action required in order for this to be reduced

# 5. Monthly Urgent Care and Flow Dashboard – Winter Schemes January – March

The RUH is committed to schemes for the Winter to support flow within the Trust.

Monitoring at the weekly Urgent Care Task & Finish Group. These schemes include:

**Home hub** dedicated space where confirmed discharges are located whilst waiting for transport

**Additional transport** – FAST ambulance for discharge and transfer activity, transport lead working on-site

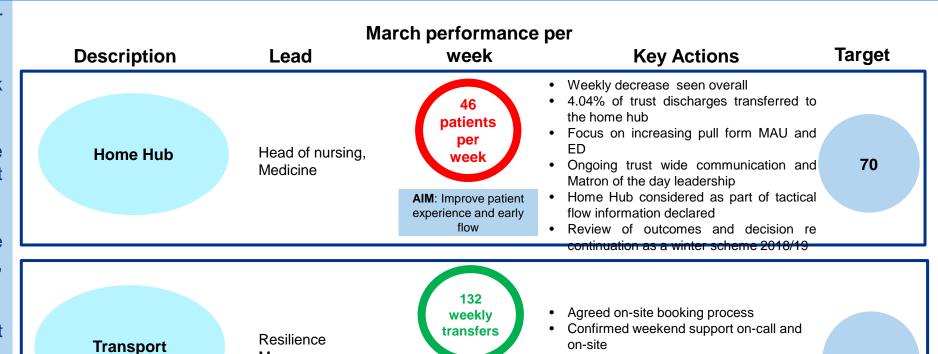
Additional Front Door staffing to support the increase activity anticipated in ED. During January Front Door staff funding has also been allocated to support a Pilot RAT (Rapid Assessment and treatment) in week which has continued throughout March

**PDSA FLOW coordinators** to support ED & MAU coordinator to monitor and progress patients out of the department and achieve the 4 hour quality standard.

A system wide 4 Hour improvement plan is reviewed weekly at the Urgent care Weekly Task and Finish group

Review paper presented to the March Urgent Care Collaborative Board. Recommendations

- Continuation of additional transport (CCG funded
- Home Hub to close end of March 2018
- Continuation of ED staffing at the weekend until end of April 2018



AIM: To facilitate early

discharges

Additional Front
Door Staffing

Specialty
Manager
Urgent Care

Evenings

24% Shift
Fill Rate

39% Shift
Fill rate

Manager

Aim: To respond to increase demand and maintain ED flow

 Focus on weekends and in-week evenings

Continue to monitor weekly

KPI monitoring in-place, March increase

in transfers

- Monitor sickness within the department, reducing impact of additional staff
- Monitoring ED breaches and mapping by time of day

Weekday 40% Weekend 70%

100

Flow coordinators

Deputy head of Nursing, medicine, ED matron



Aim: To focus on flow out of ED and MAU, improve communication

- Recruitment completed and postholders have completed induction
- Commenced 26<sup>th</sup> Feb 2018, PDSA in place, review in weekly urgent task and finish group
- Working with ECIP on processes and KPI's

Transfers by 12 noon from MAU

# 6. Governance Structure

