



TRANSFUSION SUPPORT TO THE RePHILL TRIAL. FROM RESEARCH PROVIDER TO PARTNER.

Mike Herbert
Transfusion Laboratory Manager
15th September 2017

BBTS Annual Conference 2017



UNIVERSITY OF
BIRMINGHAM



Surgical Reconstruction and
Microbiology Research Centre

NHS
*National Institute for
Health Research*

It is routine practice to give patients who have suffered major traumatic haemorrhage, blood products (blood and plasma) in hospital but there is insufficient good-quality evidence to support the use of blood products during resuscitation in a pre-hospital setting.

Target number of patients nationally: **490**

Length of recruitment: **3 ½ years**

Length of follow-up: main trial data collection ends at **death, hospital discharge or at 30 days follow-up**, whichever occurs first

Study funding duration: **4 years**



Investigate the clinical effectiveness of pre-hospital blood product (PHBP) resuscitation compared to the current standard care of restricted crystalloid-based resuscitation (standard care) in patients suffering from major traumatic haemorrhage.

Traumatic injury

Pre-Hospital Emergency Medical (PHEM) team attend

Hypotension (defined criteria)



Children (known or apparently <16 y.o.)

Refusal of blood product administration; known Jehovah's Witness

Pregnancy (known or apparent)

Isolated head injury





Pharmacies receive LyoPlas and supply to the blood banks and maintain oversight throughout the trial



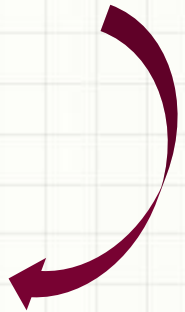
Blood banks store and pack LyoPlas, PRBC or saline into transport boxes and supply to PHEM teams

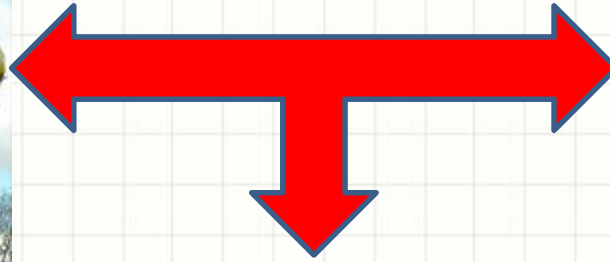


PHEM teams attend patient on-scene, deliver intervention and transfer patient to the receiving hospital



Receiving hospitals provide further treatment, obtain consent and complete follow-up for the patient





RAF Cosford – Helicopter with medic restricted flight times, MERIT car for evenings, inclement weather



NHS

West Midlands
Ambulance Service
NHS Foundation Trust

The Royal Wolverhampton **NHS**
NHS Trust



Midlands Freewheelers –

Midland Freewheelers provide a FREE EMERGENCY out of hours blood and medical essentials delivery service to NHS facilities 24 hours a day



Oldbury MERIT–MERIT car 24 hours per day based at Junction 2 M5



Randomised Interventions

“Treatment”



Packed Appearance



“Control”



Allocation concealed until sealed box opened after recruitment



"An NHS Organisation that is Striving Continuously to Improve Patient Experience and Outcomes"

Safe & effective

We will work collaboratively to prioritise the safety of all within our care environment.

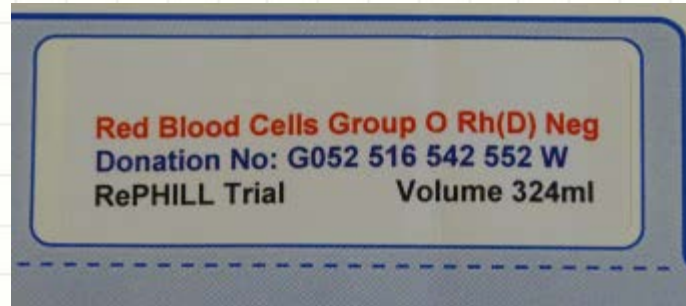
Kind & caring

We will act in the best interest of others at all times.

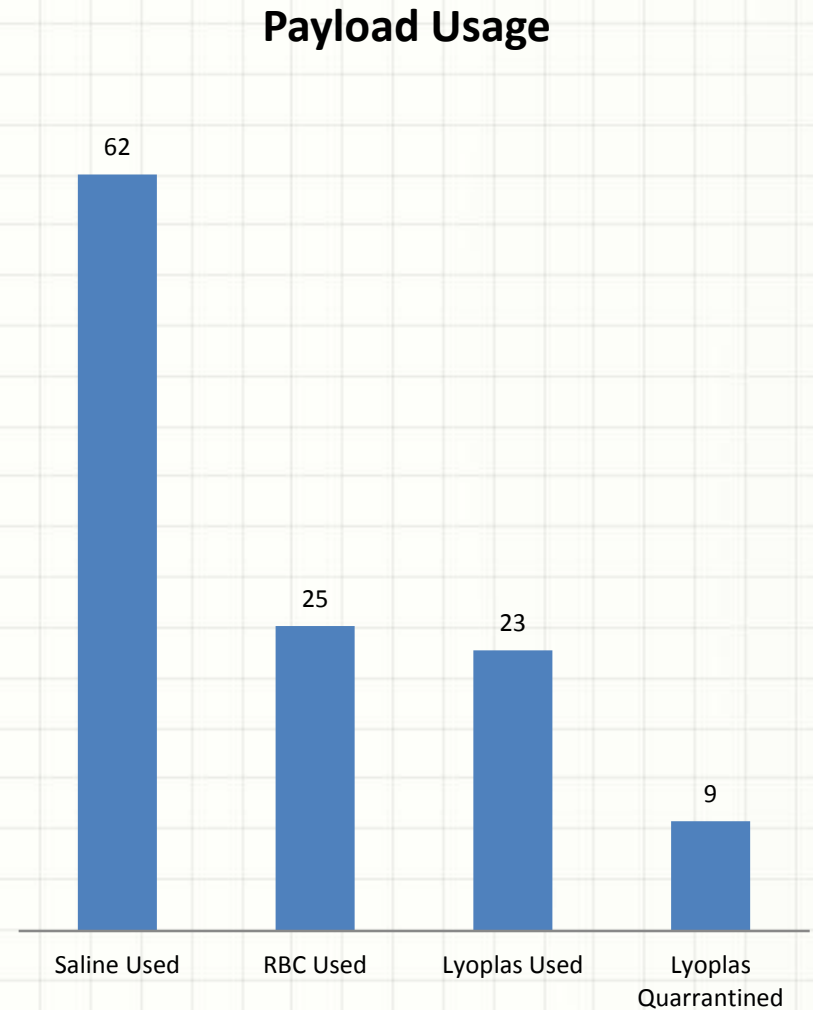
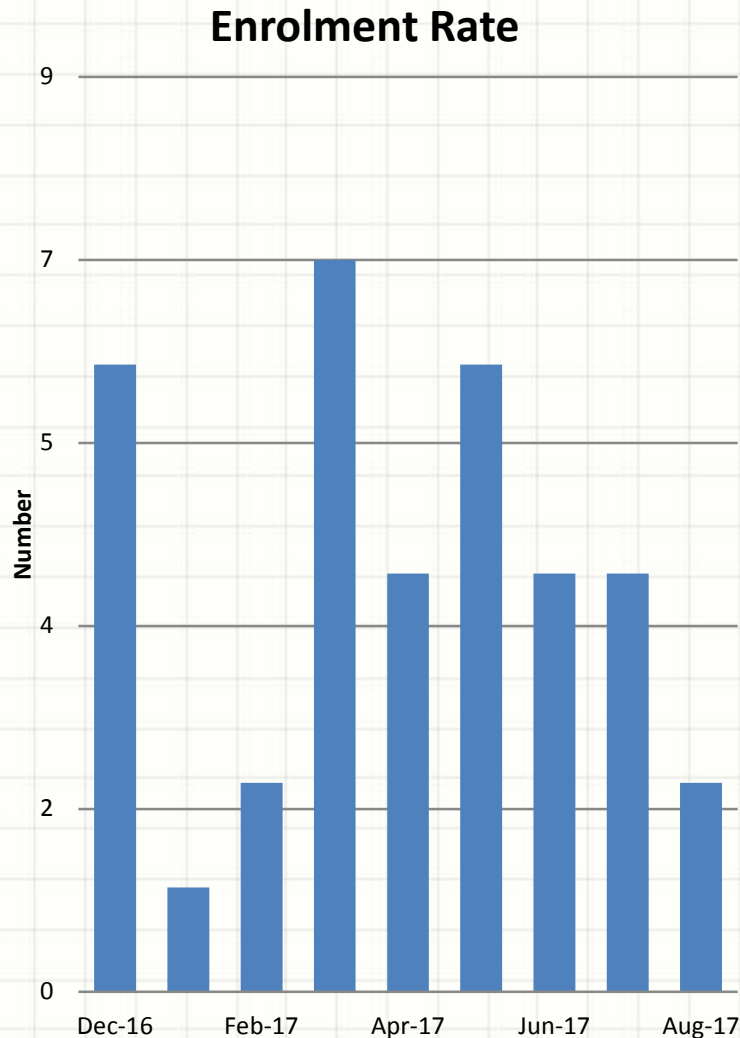
Exceeding expectations

We always aim for excellence.

From Payload Dispatch to Return

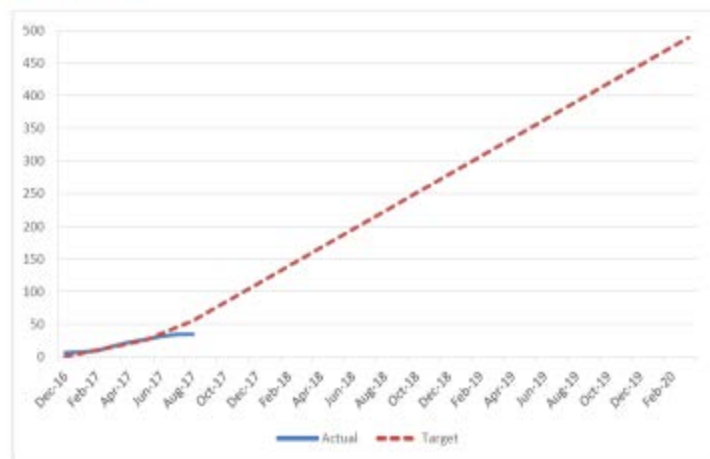


IMP issued from New Cross & Enrolment

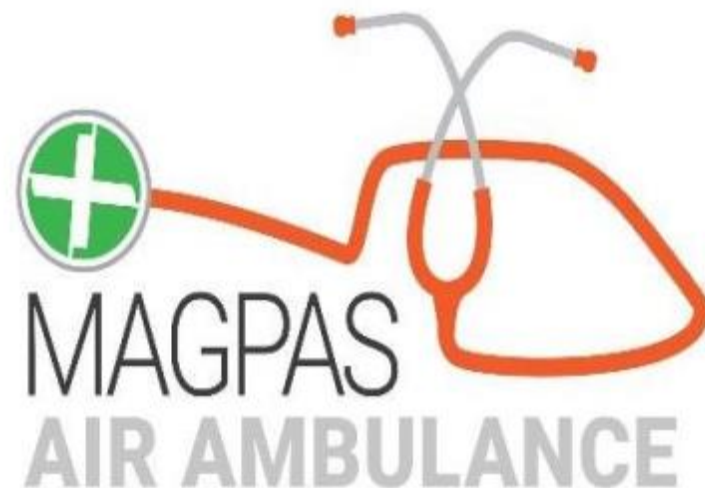


Future roll out & recruitment

Recruitment



Total Recruitment @ 31.08.17 = 36 (however 2 are paediatric)



Partnership Recognition



NHS
West Midlands
Ambulance Service
NHS Foundation Trust



West Midlands Ambulance
Service
NHS Foundation Trust



*Long Service and
Excellence Awards*



The Copthorne Hotel, Level Street
Brierley Hill, DY5 1UR

Thursday 30th March

Follow the event by joining
official@emas on:



Acknowledgements

Dr Heidi Doughty – *Consultant in Transfusion Medicine* NHSBT

Dr Nick Crombie - Associate Medical Director

Jim Hancox - Research Critical Care Paramedic

Jill Owen – Blood Transfusion Team Manager

Anna Smith - Blood Transfusion Team Manager

David Jones – Midland Freewheelers