**South West Regional Transfusion Committee** 

# SW RTC Meeting

26<sup>TH</sup> MAY 2021 (VIA MICROSOFT TEAMS)



**South West Regional Transfusion Committee** 

# Electronic Tracking Rollout

NORTH BRISTOL NHS TRUST
ROYAL DEVON & EXETER NHS FT
GLOUCESTERSHIRE HOSPITALS NHS FT











### **Procurement Process**



- Experienced Project Manager essential!
- Business Case rewritten MANY times
- Tender process in collaboration with UHB
- Joint specification prepared
- Ability to opt in and out of certain features

#### NBT options:

- No handheld printers to be purchased for TX
- Electronic phlebotomy to be added at a later phase



Which type of fridge set up should we use?

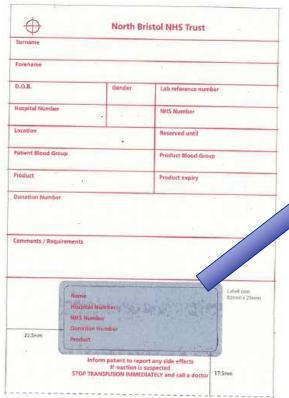
#### Fridge Configurations Risk scoring Vs Function

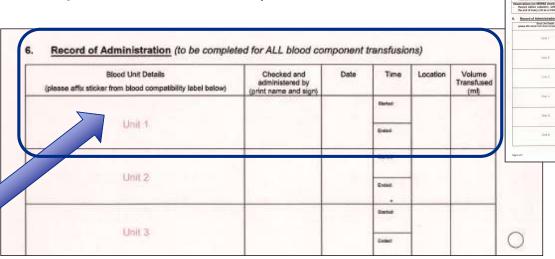
	Electronic control of system	Training of staff- controlled access	Remote Stock management (blood location, stock levels)	Selection of Remote issue	Segregation of named patient blood vs unallocated	Segregation of ABO and Rh type	Segregation of individual unit types	Cold Chain adherence	Temperature Control	Quarantine ability	Segregation of Emergency Stock
Current system	No	No	No	No	No	No	No	No	Depends on the fridge modification status	No	Yes- but unrestricted
4 drawer fridges	Yes	Yes	Yes	Yes- with risk due to incorrect ABO selection	No	No	No	Yes	Yes	Possible but not segregated	No
9 drawer fridges	Yes	Yes	Yes	Yes- with risk due to incorrect unit selection	No	Yes	No	Yes	No – unknown if filled to capacity	Yes	No
Individual drawer locks per unit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes – as otherwise wouldn't be accepted.	Yes	Yes



trace

How do we document transfusion in patient notes?
 (usually managed by sticker printed from PDA)





Remove sticker from bottom of compatibility label, affix to Blood Transfusion Record and complete all details in table above



How do external locations record cold chain and traceability?
 (Also management of possible down-time)

This label must be completed, detached from the blood component and returned to the laboratory If blood tracking software is unavailable complete this side of the tag Remove tag from unit and return to the transfusion lab within 24 hours Table to manually record movement into and out of lab and remote fridges Unit delivered to Ward/Lab on: Space to manually document receipt of single unit in Accepted by: clinical area following blood collection This unit of blood has been transfused to the specified patient on this tag Date and Time Transfusion started on: / Confirmation of transfusion to include date and time of Name and Sign. infusion and signature of the person administering the blood component If emergency stock issued, patient demographic label to be placed here to identify recipient



How do we manage go live?



#### Phase 1: BloodTrack Courier

Kiosk training & assessment for ~330 staff
Six remote fridges – all must go live together
Introduce interim paper-based system to ~3000 staff

- Removal of lab compatibility report
- Launch revised Transfusion Record and Compatibility Label
- Adapted traceability system



#### Phase 2: BloodTrack TX

PDA training and assessment for ~1850 staff Stagger go-live by area based upon:

- Location of remote fridge
- Patient journey through hospital



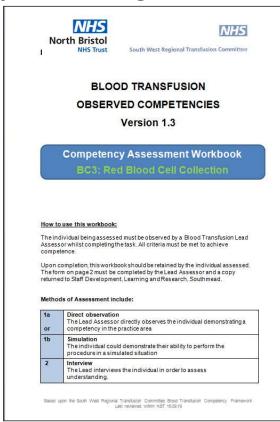
Phase 3...

# Phase 1 Training



#### Training & Competency for Fridge Collection ~330 clinical / portering staff





### Kiosk Training (Haemonetics/TP) Up to 8 attendees - 30 mins

- BloodTrack Enquiry
- Collection documentation
- Collecting unit(s)
- Ward receipt
- Returning unit(s)
- Emergency stock

Assessed following training

### Collection Assessment (TP) Up to 2 attendees - 15 mins

Adapted RTC competency

<sup>\*</sup> Also e-learning for 3,000 clinical staff re interim paper-based system (prior to PDA launch)

## Communications



### Liaison with IM&T Communications Manager

#### BloodTrack: Communication Plan Outline

Date	Audience	Message	Channel
Friday 13 <sup>th</sup> September	NBT Management & Leadership	BloodTrack imminent     What's happening and when     Staff/Patient benefits	CCIO Email
Tuesday 17 <sup>th</sup> September	Ward Managers Staff working on Kiosks/Fridges	BloodTrack will go live in one month What's happening and when Action required: (ensure relevant staff do the training)	Email
Wednesday 18 <sup>th</sup> September	3000 Ward Staff	BloodTrack will go live in one month     What's happening and when	Email (via MLE)
Mon 23/30 September	All Staff	Complete self-serve training by x date	NBT Bulletin
w/c September 23 <sup>rd</sup>	All NBT staff	BloodTrack imminent     What's happening and when     Staff/Patient benefits     How this fits with our Digital Transformation Strategy	Byte Size (IM&Ttrust-facing bulletin) Via email/intranet/Bulletin
Wednesday 2nd October	All NBT Staff	2 weeks to go live	MOTD
	Ward Managers Staff working on Kiosks/Fridges 3000 Ward Staff	Have you done your training yet?	Email (incl. via MLE)
Wednesday 9 <sup>th</sup> October	Ward Managers Staff working on Kiosks/Fridges 3000 Ward Staff	BloodTrack will go live in one week     Have you done your training yet?	Email (incl. via MLE)
Monday 14 October	All staff	Get ready for BloodTrack     Final reminders	Bulletin
	Ward Managers Staff working on Kiosks/Fridges 3000 Ward Staff	BloodTrack will goes live this week     Please complete training by go-live	Email (incl. via MLE)
Wednesday 16 October	All Staff	Blood Track live today	MOTD
	Ward Managers Staff working on Kiosks/Fridges 3000 Ward Staff		Email (incl. via MLE)
	IM&T Twitter followers	Blood Track live – staff/patient benefits	IM&T Twitter feed
Friday 18 October	All Staff	BloodTrack went live this week     Why we are doing this     Staff/Patient benefits     How this fits with our Digital Transformation Strategy	Friday 5
TBC TBC		Post go-live     Staff reaction / any common issues?	Email (incl. via MLE)



# Phase 1 Go Live 16.10.19



Support for clinical areas on the launch day



#### **Brunel**

NHS

North Bristol

- Karen to support portering
- Elmarie to support theatres
- Wanda to hold IM&T mobile
- IM&T second contact
- Quick reference guides

#### **CDS**

- Mooi to support W&CH staff
- Quick reference guides

#### **Overnight support**

- FM Team Leader
- Quick reference guides

### **Phase 2 Considerations**



#### Staff ID barcodes

- POCT pre-printed stickers
- Linear barcode / 2D barcode
- Testing / collection of badges

#### **Admin for ASK Manager**

- Update POCT with 2D code
- Add on new users
- Input training dates
- Data extracts
- When to set training rules?

#### **PDA IT issues**

- WiFi upgrade (delayed PDA launch)
- Initial IT 'build' i.e. pincode for PDAs
- New MDM introduced
- Wandering WiFi connectivity







#### Wristbands

- Addition of 2 QR barcodes
- Many different templates
- Tribands / Neonatal wristbands

**Z-Band UltraSoft Wristbands** 



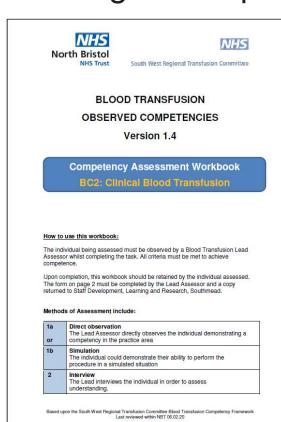


# **Phase 2 Training**



#### Training & Competency for PDA use

~1,850 clinical staff



#### PDA Training (Haemonetics/IT Trainers)

Target Transfusion Leads first
Up to 4 attendees - 30 mins
- Begin Transfusion - End transfusion

Assessed following training

### Administration Assessment (TP) Up to 2 attendees - 30 mins

Adapted RTC competency

- Emergency transfusion

#### **Original Go-Live Plan**

Outpatients – w/c 9<sup>th</sup> March 2020 Levels 4/5 - w/c 23<sup>rd</sup> March 2020 Levels 2/3 - w/c 18<sup>th</sup> May 2020 Level 0 – w/c 8<sup>th</sup> June 2020 Retained Estate – w/c 6<sup>th</sup> July 2020

#### Post-COVID – all face-to-face training suspended

PDA training videos available online Assessment carried out by Lead Nurse 65% compliance required for go live in each ward / area

### The Future...





- Replace all current fridges with Haemobanks
- Remote issue from selected locations
- Electronic tracking of batch products
- Connectivity with cell salvage machines
- Electronic phlebotomy





Exceptional healthcare, personally delivered



### Gloucestershire Hospitals NHS Foundation Trust

Electronic blood tracking 'upgrade'

Stuart Lord, Transfusion Practitioner

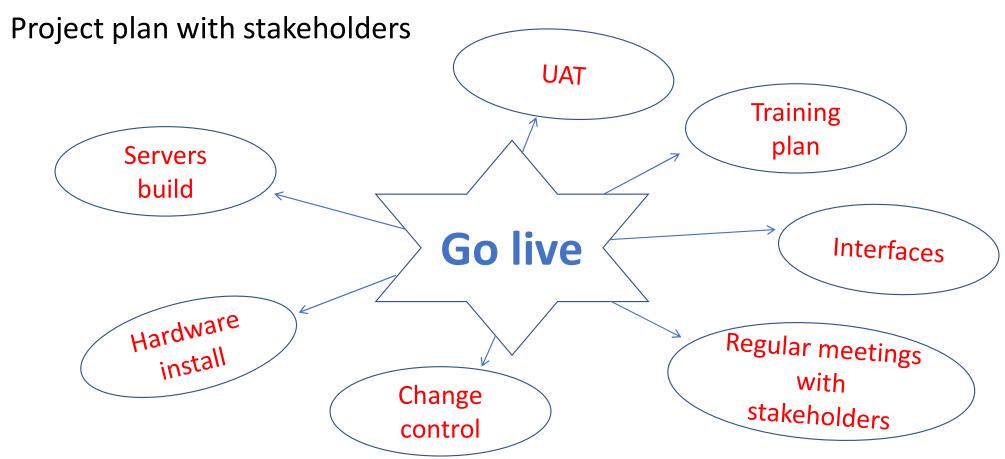
### Overview

- Went live with Blood360 (MSoft) in September 2020
- Previously had Bloodhound (Msoft)
- 'Package' includes Blood Fridge tracking for the laboratory and the 6 satellite fridges (cold chain) and traceability (electronic fating)
- Electronic sampling and administration not part of project / package



### Pre-go live

2018/2019 tender process and Blood360 chosen



### Go live

- Go live criteria outlined with stakeholders
- Cheltenham General Hospital went live 23<sup>rd</sup> September 2021
- Gloucester Royal Hospital went live 24<sup>th</sup> September 2021
- Switchover to Blood360 went well



### Challenges

- Training
- IT
- COVID-19
- Resources
- Post go live issues



### **Positives**

- Biometric / fingerprint recognition for blood fridge access trust wide
- Improved traceability figures
- Emergency O blood (D Pos and D Neg) removed electronically in A&E and Theatre fridges
- Similarities to previous system helped with change
- Positive feedback with users (lab and clinical)
- Clinical 'nurse/midwife/ODP champions' trained good engagement with clinical staff
- User access controlled deactivating staff who are outside of training requirements, on mat leave, long term sick, leavers

### 8 months on...

- 650+ staff trained on blood collection using Blood360
- Majority of feedback is positive and improvement on previous system
- Still have challenges mainly IT / interface related
- Much improved traceability rates

Thank you ©