



What is the current problem?

- Estimations from national sources / publications appear to range 1:2000 1:8000
- Wolverhampton New Cross has had '2 sample' policy for a few years estimates that 91% of samples have a historic group and WBIT rate of approx 1:12000 (approx 3 per year).
- Normally sample rejections are approx 2%, but when Junior Doctors start, this increases to 6%.

What is the current problem?

- Anecdotal evidence that generally phlebotomists have fewer errors (although not always the case !)
- Previous audit at University Hospital Birmingham showed no WBIT from phlebotomists – errors mostly involved doctors and nurses.

Root Cause Analysis

- All involved in the WBIT group reported completing Root Cause Analysis of WBIT incidents.
- Some concerns expressed that the resulting actions appear to vary depending on the individuals job role, with doctors tending to view the problem less seriously

 not seen as a 'critical task'.

Trust Support / Clinical Governance

- Most organisations 'downgrade' the risk of WBIT as no actual harm.
- Worcester Trust WBIT's are recorded on the risk register as 'Near Miss Never Event'

So what can our WM RTC WBITG do?

- It was agreed that for the group to progress to produce some regional guidance and recommendations, hard facts were needed first.
- Survey just those participating in the WMRTC WBITG

WM RTC WBITG Survey Results

Methods

- · Data was collected in two parts:
- Part 1 Organisational questionnaire
- Part 2 WBIT questionnaire a separate questionnaire completed for every WBIT incident identified from 1st January to 31st December 2013.
- 6 participating Trusts

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Results

Part 1 – Organisational Questionnaire

The number of G&S samples rejected by each Trust during 2013 ranged from 1703 to 3715 (one Trust did not provide data).



Results

Part 1 – Organisational Questionnaire

The number of rejected G&S's as a percentage of total G&S's processed by each Trust range 4.8% - 8%.

Hospital D estimated this number.



Results

Part 1 – Organisational Questionnaire

The total number of WBIT incidents identified across the six sites was 33 (range 0 - 13)



Results

Part 1 – Organisational Questionnaire

• The number of WBIT's as a percentage of total G&S's processed by each Trust (range 0% - 0.026%). The average for the six hospitals was 0.012%.



- 2 x Never Event Near Miss (one site had this implemented December 2013)
- 1 stated 'depends upon consequences'



Results Part 2 – WBITs during 2013 Did the person who took the sample have up-to-date transfusion training? - Yes 23 - No 5 - Unknown 4 - No answer 1 Did the person who took the sample have up-to-date transfusion competency assessment? - Yes 15 - No 10 - Unknown 6 - No answer 2

- 4 x No answer
- · 15 both trained AND competency assessed
- 7 trained but not competency assessed (including 2 x ? Assessed)
- 4 x not known (competency assessed)
- 2 x not known (training)







Results Part 2 – WBITs during 2013 • Incident investigation – Key Themes • Incident The in-depth responses relating to individual incident investigations were analysed using a process known as 'bracketing' whereby the data is coded for key themes. • Incident Many of the incidents had more than one key theme. • The trained of the studente.



Results Part 2 – WBITs during 2013 • Incident investigation – Key Themes • <u>Use of wrong request form / notes:</u>

• The use of either the wrong request form, or the wrong patients notes, was stated in eight cases.















6/33 reported to SABRE







	? Regional Guidance	
	2012 Audit of Blood Sample Collection & Labelling The London TP Group's Top 10 Tips for improving sample collection and labelling practice	
	Top Tips for reducing sample rejections and WBIT incidents	
1.	Positive Patient Identification Positive patient identification is signably the most important step in the sample collection process. Identifying the patient correctly eignificantly reduces the risk of a Wrong Blood in Tube (WBIT) incident occurring. Patient core identifiers are: Last name, first name, date of birth, unique identification number. Positive patient identification: Whenever possible ask the patient to state their full name and date of birth. For patients when are unable to respond, ID verification should be obtained from a parent or carer (in present), or y conferning with colleagues/chreding the patients medical notes.	
2.	Have an agreed sample labelling and rejection policy All organisations must have a sample labelling policy and it is essential that this is adhered to. Any samples received where labelling does not comply with the organisations sample labelling policy should be rejected. Report non-compliance with the policy at the HTC and in the Annual report to the clinical governance committee.	
3.	Zero Tolerance and 2 sample approach is the gold standard A zero tolerance solicity is one that dates that no changes can be made to a sample label after it has bee received by the laboratory. If a zero tolerance policy is implemented it abruid include all samples even precisious samples: It a midlatelled sample is nereved if will not be tested, thus no blood or blood component can be issued based on that sample. Unless secure electronic patterni identification systems are in place, a second sample should be requested for confirmation of the ABO group of a first time patient prior to transfusion, where this does not impled the delivey of user blood components.	
4.	It is up to the sample taker to ensure labelling is correct – ensure they know this Responsibility of correct sample labeling is with the person taking it. All samples should be labelied at the patient's bedide from the patient's wristenad by the person who look the sample.	

5.	Ensure the Trust is aware of the frequency of sample rejection and wrong blood in tube (WBIT) incidents Report internity and to Serious Hazards of Transfusion (SHOT) all WBITs. Internally report every mis- labeled sample to escalate the problem. Use department league tables on sample rejection to make people aware of the problem and use a name and shame" system to prompt a change in practice. Provide financial figures regarding the cost of sample rejection to highlight the problem at Trust level. Photocopy mislabeled samples to build up a library of possible errors which can be used in education sessions to change practice.
6.	Take a varied risk-assessed approach to tackle sample labelling problems Sample rejections and WBITs in different clinical areas will require different approaches. A solution that worked in Critical Care may not work in A&E or Maternity. Involve the users in understanding and solving the problem.
7.	Ensure that the staff taking samples for group and save and pre-transfusion testing are trained and competency assessed A section on the blood sample request form could prompt person completing to indicate that they are trained and are solely responsible for the correctness of the sample.
8.	Consider Bedside Technology Discuss and rak assess the use of bedside blood tracking to allow printed labels to be produced by the patient's bedside to reduce any omissions and transcriptional errors on the sample label.
9.	Rejection of a patient's sample does not mean that the patient cannot have blood in an emergency — make the users aware of this Also make them aware that blood issued will not be group specific or cross matched. Where full patient identification is not available, transfusion of group O blood may be a safe option, but supply of group O is imited and its use should be extircted, with a safe blood group being established as soon as possible.
10.	Be tough and keep at it – and celebrate success! Stand your ground and practice will change slowly, it takes time to change culture. Share success stories with colleagues in other hospitals.
	London RTC

