

To:	Trust Board
From:	Lucy Ettridge
Date:	29 March 2018
Essential Standards:	

Title:	ULHT innovation report – Blood 360
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Author/Responsible Director Lucy Ettridge/ Jan Sobieraj

Purpose of the Report: To provide the Board with an update on innovation projects, service improvements and good news from across the organisation.

The Report is provided to the Board for:

Decision	<input type="checkbox"/>	Discussion	<input type="checkbox"/>
Assurance	<input type="checkbox"/>	Information	<input checked="" type="checkbox"/>

Summary/Key Points:

- ULHT has invested more than £800,000 in an electronic barcode blood tracking system which has been rolled out to hospitals in Lincoln, Boston, Grantham and Louth.
- This system is designed to ensure that the right blood product always goes to the right patient when used correctly.
- For increased safety, the upgraded system introduces the use of iPods to scan the blood bag at the patient’s bedside and also the patient’s barcoded wristband. The information is cross checked to ensure a positive patient ID match.
- If the information doesn’t match, if the blood has been out of the fridge for too long or if it has been kept at the wrong temperature then the electronic system will alert staff and it will stop the transfusion from taking place.
- ULHT is one of the first trusts in the country to use iPods to scan blood at a patient’s bedside.
- Last year, more than 15,700 transfusions took place across the Trust.

Recommendations:

- To note

Strategic Risk Register	Performance KPIs year to date
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Resource Implications (e.g. Financial, HR)

Assurance Implications:

Patient and Public Involvement (PPI) Implications.

Equality Impact

Information exempt from Disclosure

Requirement for further review?

Blood transfusions at United Lincolnshire Hospitals NHS Trust are among the safest in the country thanks to an investment in state-of-the-art technology

More than £800,000 has been invested in an electronic barcode blood tracking system which has been rolled out to hospitals in Lincoln, Boston, Grantham and Louth.

Background

Blood 360 is an upgrade project funded by capital investment as agreed at the Investment Programme Board in July 2016 following a risk assessment. It was approved on the basis that it will:

- Reduce potential harm to patients
- Ensure timely treatment
- Provide accurate recording of all blood movement and usage
- Provide a full audit trail
- Be a clinical tool that is easy to use when fully functioning, that enables staff to adhere to policy and procedures for safe transfusion.

Blood transfusions can be a life-saving treatment, but the process does involve some risks. Our blood tracking system is designed to ensure that the right blood product always goes to the right patient when used correctly.

Last year, more than 15,700 transfusions took place across the Trust. The latest upgrade to our blood tracking system incorporates more advanced recording of all blood products given to patients.

Blood 360

When a patient needs a transfusion, the blood bank team place allocated blood bags into one of the specialist fridges around the hospitals which are controlled by computers. The patient's blood bag can only be removed by specially trained staff who use finger print technology to access blood products.

For increased safety, the upgraded system introduces the use of iPods to scan the blood bag at the patient's bedside and also the patient's barcoded wristband. The information is cross checked to ensure a positive patient ID match. This process significantly reduces the risk of the patient getting the wrong bag of blood and also ensures the blood is safe to transfuse.

Although rare, human error can lead to mistakes. However, with this system if the information doesn't match, if the blood has been out of the fridge for too long or if it has been kept at the wrong temperature then the electronic system will alert staff and it will stop the transfusion from taking place. Ruling out any chance of human error and risks to patient health.

ULHT is one of the first trusts in the country to use iPods to scan blood at a patient's bedside. Many hospitals use a system for collecting blood from the fridge, but we have gone one stage further to enable us to make transfusion at the bedside as safe as we can make it.

So far the feedback from staff has been brilliant. It is so much easier than the previous system and they can do it all from the same iPods that they use to record observations. So if you see a member of staff using an iPod on the ward, it's not that they are texting, but instead they may be checking blood or updating patient records.



Blood Transfusion Practitioners Carol Richardson and Ant Jackson (above)



Nurse Kerry Pound using Blood 360 (above)