

HOW TO EVALUATE IT SYSTEMS FOR THE CLINICAL TRANSFUSION PROCESS?

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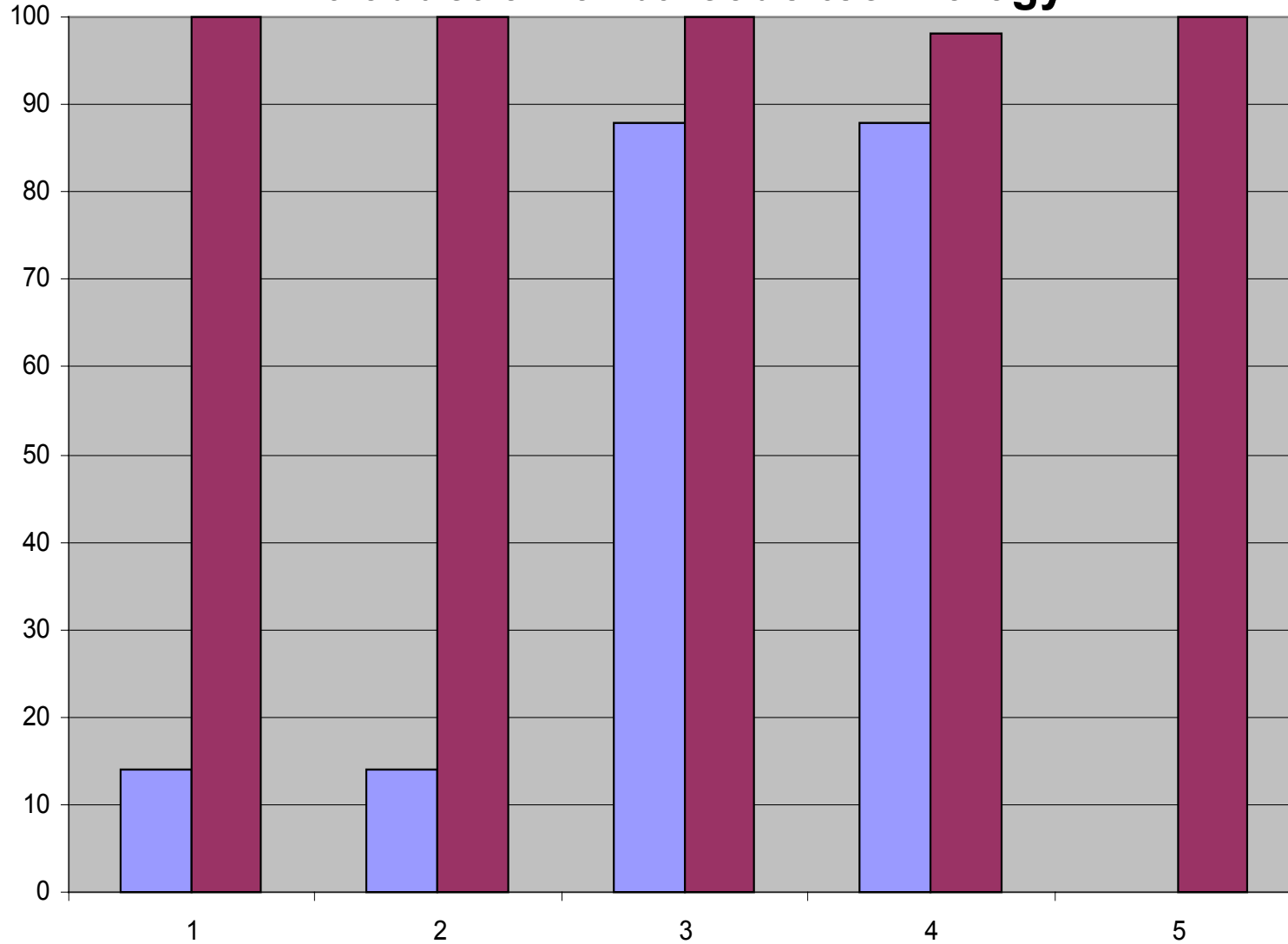
Evaluation of IT systems for the transfusion process

Unrealistic to expect to document reduced number of incidents of ‘wrong blood transfused’ in small pilot studies

But should be able to document:-

- better performance of parts of the transfusion process e.g. sample labelling, bedside checking**
- staff preference (easier and quicker process)**

Pre-transfusion patient identification before and after the introduction of barcode technology



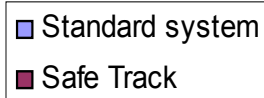
1. Patient asked to state their first name

2. Patient asked to state their surname

3. Patient asked to state their date of birth

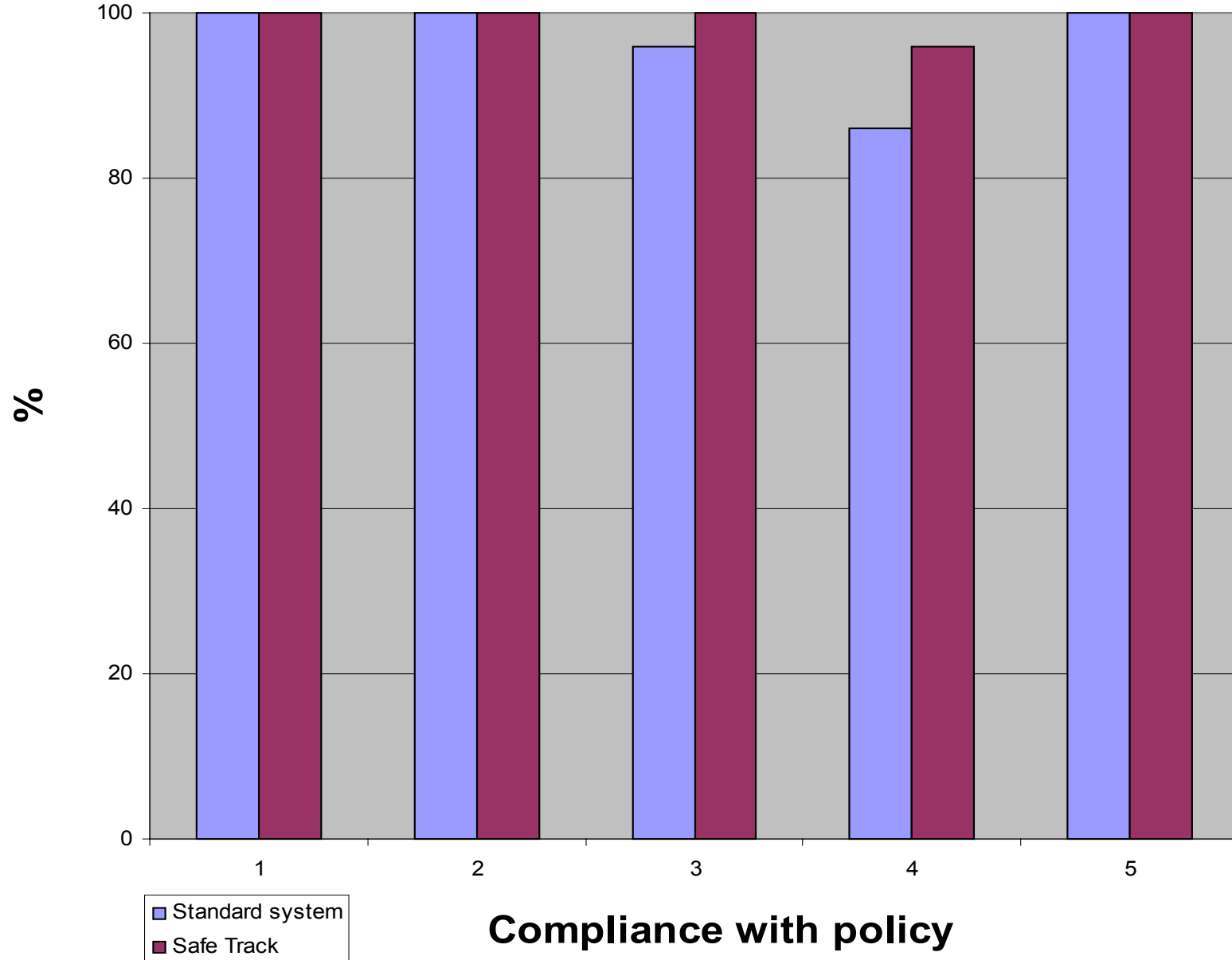
4. Patient wearing a (bar-coded) ID wristband

5. Details on (bar-coded) wristband checked



Compliance with policy

Pre-transfusion compatibility checks



1. Blood group on blood pack checked with compatibility report form

2. Unit number on blood pack checked with compatibility report form

3. Expiry date checked

4. Special requirements checked with either the prescription or compatibility report form

5. All 'checks' carried out at the bedside

Evaluation of IT systems for the transfusion process

Need to develop standard assessment tools for each part of the process, for example:-

- sample collection**
- blood collection**
- administration of blood**
- documentation & links to other IT systems**
- operator and training issues**

This should encourage appropriate evaluation of these systems