

# Process Visualisation in the NHS - 1

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Aim: To publish process illustrations of all processes within a NHS Model Hospital. Through an iterative process, via the WWW and front line NHS Staff, best practice will be identified and promulgated for each process.

In addition to identifying best practice there are a number of other issues that can be addressed through process visualisation. Most of these were identified in the 'Productive Ward' initiative.

## Example Process Visualisation: National Safety Standard for Invasive Procedures (NatSSIPs)

**Sign In**

All patients undergoing invasive procedures under general, regional or local anaesthesia, or under sedation, must undergo safety checks on arrival at the procedure area: the sign in. Along with the time out and sign out, this is based on the checks in the WHO Surgical Safety Checklist and forms part of the Five Steps to Safer Surgery. Noise and interruptions should be minimised during the sign in.

Participation of the patient (and/or parent, guardian, carer or birth partner) in the sign in should be encouraged when possible.

The sign in should not be performed until all omissions, discrepancies or uncertainties identified in the handover from the ward or admission area to the receiving practitioner in the procedure area or anaesthetic room have been fully resolved. On rare occasions, the immediate urgency of a procedure may mean that it may have to be performed without full resolution of any omissions, discrepancies or uncertainties. Such occurrences should be reported as safety incidents.

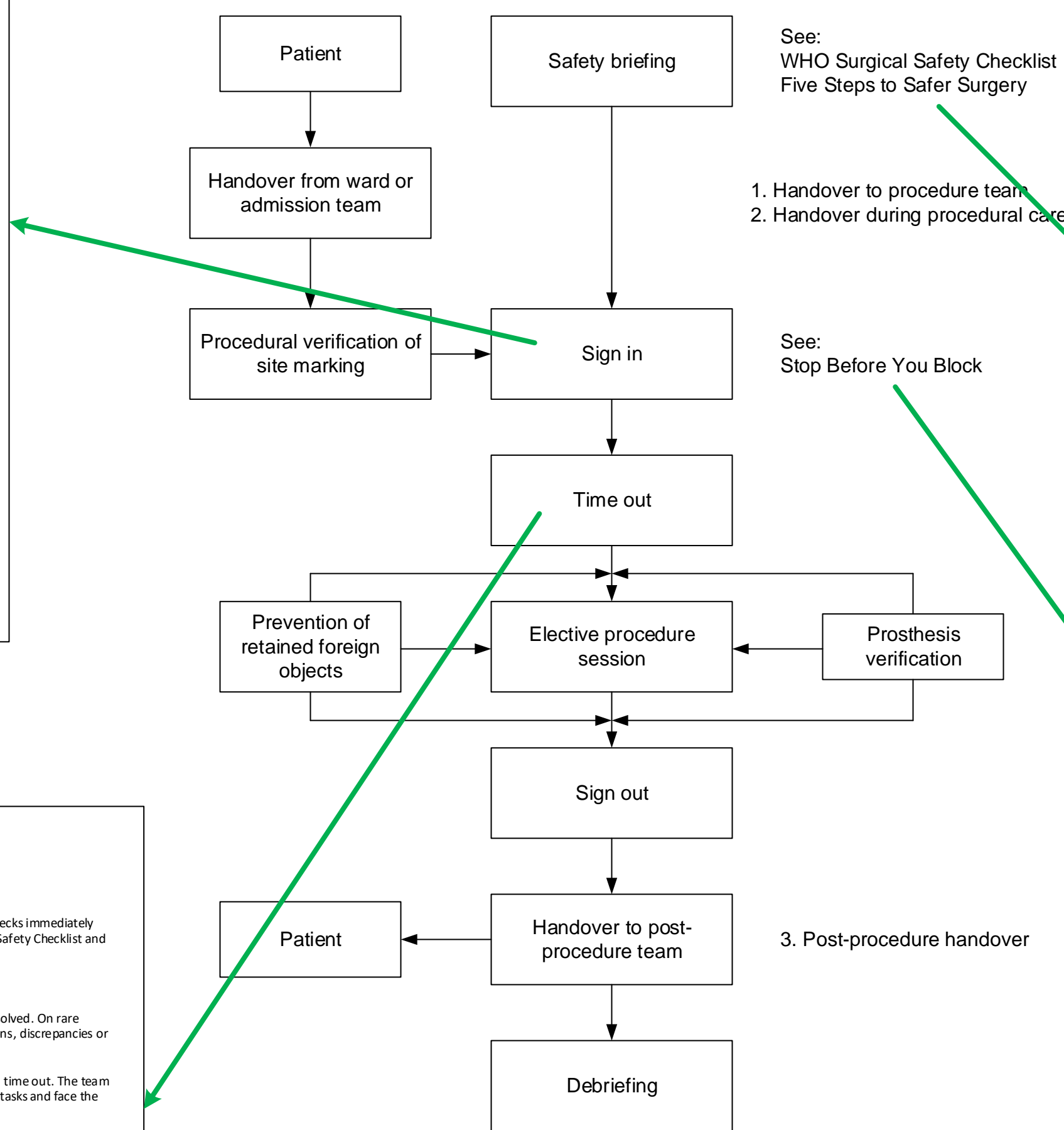
A sign in must be completed and documented on arrival at the procedure area or anaesthetic room. The checks performed during the sign in should include when relevant, but are not limited to:

- Patient name checked against the identity band.
- Consent form.
- Surgical site marking if applicable.
- Operating list.
- Anaesthetic safety checks: machine, monitoring, medications.
- Allergies.
- Aspiration risk.
- Potential airway problems.
- Arrangements in case of blood loss.

The sign in must be performed by at least two people involved in the procedure. For procedures performed under general or regional anaesthesia, these should include the anaesthetist and anaesthetic assistant. For procedures not involving an anaesthetist, the operator and an assistant should perform the sign in.

Any omissions, discrepancies or uncertainties identified during the sign in should be resolved before the time out is performed or any procedure starts. On rare occasions, the immediate urgency of a procedure may mean that it may have to be performed without full resolution of any omissions, discrepancies or uncertainties. Such occurrences should be reported as safety incidents.

Immediately before the insertion of a regional anaesthetic, the anaesthetist and anaesthetic assistant must simultaneously check the surgical site marking and the site and side of the block (Stop Before You Block).



**'How to Guide'**

**Five Steps to Safer Surgery**

Step one: Briefing  
Step two: Sign in  
Step three: Time out  
Step four: Sign out  
Step five: Debriefing

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**STOP before you block**

Notice for anaesthetists and anaesthetic assistants

- A STOP moment must take place immediately before inserting the block needle
- The anaesthetist and anaesthetic assistant must double-check:
  - the surgical site marking
  - the site and side of the block

Process selection is based on the NHS Improvement's 'Model Hospital' design.

Once best practice has been established the Model Hospital data can be used to identify specific areas for improvement. It could be possible for a large network of practitioners to have an input on improvement ideas and test them using the PDCA cycle prior to process change.

Care does not just evolve. For the very highest standards of care, safety, dignity, and for empowered teams, care teams need to design the way they organise and deliver care.

A future phase of this research will use Bayesian theory to analyse data and identify issues leading to improvement.

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