Introduction
The World Health Organisation (WHO) Surgical Safety Checklist, introduced in 2008, has been shown to improve patient safety, as well as improving teamwork and communication in theatres. However, the ability to bring about these improvements appears to be related to the style of implementation used, and the engagement of clinical teams, rather than the introduction per se. In the NHS between April 2017 and March 2018 there were 209 wrong-site surgeries. Currently, there is no standardised way the checklist is performed, and in Gloucester Royal Hospital and Cheltenham General Hospital, a paper checklist was used (see below).

Implementing Change
The wall-mounted checklist was designed, and trialled in one of the general theatres in Gloucester Royal Hospital in September 2018.

Re-audit and Results
In September 2018 the new checklist was re-audited. Data was collected over a 5-day period. 17 'sign ins', 'time outs', and 'sign outs' were captured.

Findings
- The new process was well received.
- Compliance improved from 68% to 92% with completing all sections of 'sign in' and from 87% to 93% with 'time out'.
- Engagement by the entire theatre team was achieved 100% of the time, compared to 58% of the time with the paper checklist.

Next steps
- Adjustments made, and new checklist trialled in all theatres in stages.
- Re-audit in December 2018 following trial in orthopaedic theatres. 23 'sign ins', 'time outs', and 'sign outs' captured. Compliance improved further to 99% for 'sign in' and 100% for 'time out', and full engagement was maintained at 100%.

Plan-Do-Study-Act (PDSA) Cycles

<table>
<thead>
<tr>
<th>Plan</th>
<th>Do</th>
<th>Study</th>
<th>Act</th>
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<tbody>
<tr>
<td>April 2018</td>
<td>Paper checklist in use</td>
<td>Audit and survey</td>
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<tr>
<td>May 2018</td>
<td>Wall-mounted checklist designed</td>
<td>Presentations at anaesthetic and surgical meetings</td>
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<tr>
<td>September 2018</td>
<td>Trailed in 1 general theatre</td>
<td>Re-audit, feedback, adjustments</td>
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<tr>
<td>December 2018</td>
<td>Trailed in all general theatres, gynaecology, urology, orthopaedics</td>
<td>Re-audit, feedback, adjustments, presentations, emails, posters, and simulation sessions arranged</td>
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<tr>
<td>April 2019</td>
<td>New checklist rolled out across the Trust</td>
<td>Video of the checklist in use produced</td>
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<tr>
<td>The next step</td>
<td>Re-audit and feedback</td>
<td>Documentation to be included electronically on TriCare</td>
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References