



# Driver Diagrams

**The Productive Operating Theatre:**  
*Building teams for safer care*™

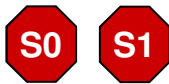




# Safety & Reliability Driver Diagram

## Aim

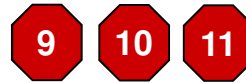
**Defect free surgery**



- S0 Overall glitch count
- S1 Adverse surgical events
- 1 % lists with Team Brief (or # Team Briefs)
- 2 % lists with Team Debrief (or # Team Debriefs)
- 3 % lists with Time Out (or # Time Outs)
- 4 % lists performed as listed
- 5 % compliance with SSI bundle
- 6 % compliance with VTE bundle
- 7 % correct kit to hand
- 8 % usable kit

## Driver

**Avoid mistakes**



**Avoid complications**



**Avoid delays**

- 9 Retained objects
- 10 Wrong site surgery
- 11 Wrong procedure
- 12 Readmissions
- 13 Number of Unplanned returns to theatre
- 14 Number of SSIs
- 15 Number of VTEs
- 34 Compliance with mandatory training & appraisals

## Intervention

**Conduct Team Brief**



**Conduct Team Debrief**



**Conduct Time Out**



**Produce accurate lists**



**Implement SSI bundle**



**Implement VTE bundle**



**Have correct kit to hand**

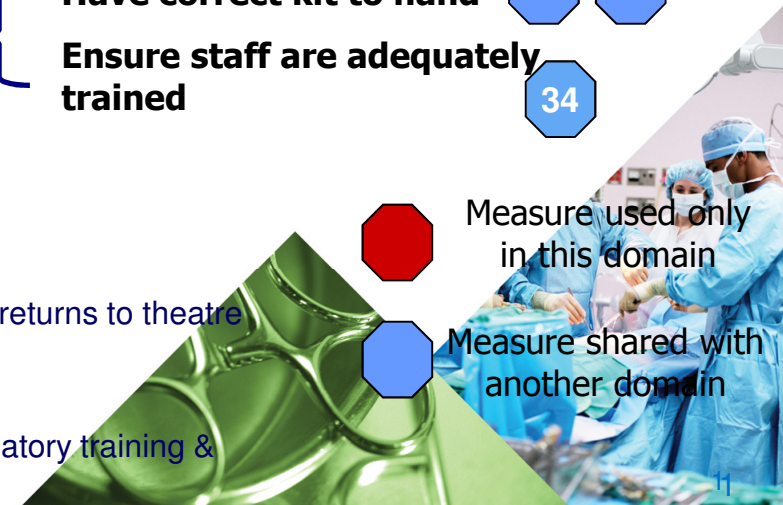


**Ensure staff are adequately trained**



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# Team working Driver Diagram

## Aim

**A well functioning theatre team**

**T0**

Do regularly with 3 minute survey. Need randomisation

## Driver

**Communication**

**Competence**

**16**

**Consistency**

**Confidence**

**19**

## Intervention

**Team Brief**

**1**

**Team Debrief**

**2**

**Time out**

**3**

**Report all incidents**

**Do Executive safety walk-rounds**

**Ensure staff adequately trained**

**34**

**Ensure staff have regular experience**

**17**

**Form Consistent teams**

**18**

**Minimise Staff turnover**

**20**

**Tackle Unplanned absence**

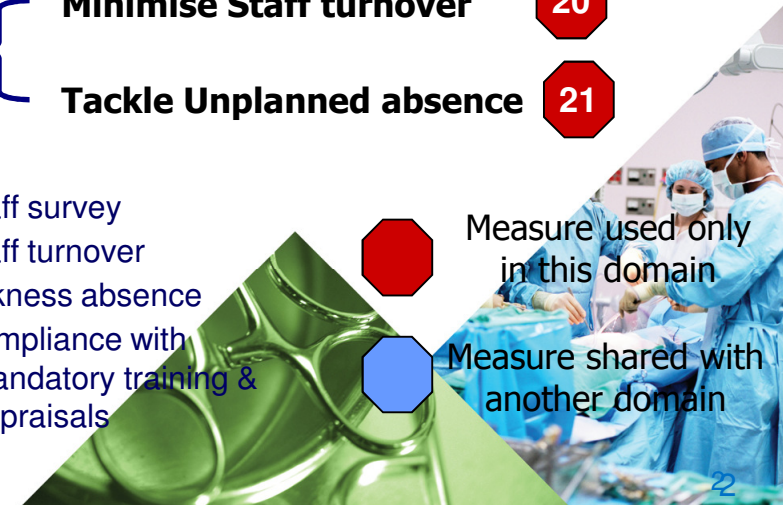
**21**

- T0 Team-working scores using naïve observer report forms
- 1 % lists with Team Brief (or # Team Briefs)
- 2 % lists with Team Debrief (or # Team DebrieFs)
- 3 % lists with Time Out (or # Time Outs)
- 16 Proportion of staff with HF/team skills training (by discipline)
- 17 Proportion of time was spent working in normal area
- 18 Number of different staff worked in theatres per list

- 19 Staff survey
- 20 Staff turnover
- 21 Sickness absence
- 34 Compliance with mandatory training & appraisals

Measure used only in this domain

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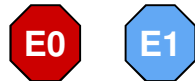




# Efficiency & Value Driver Diagram

## Aim

**Deliver plan to budget**



- E0 % value added time
- E1 Lost income
- 7 % correct kit to hand
- 8 % usable kit
- 22 % patients lost from theatre list (all reasons)
- 23 Direct care time (Needle to skin => In recovery)
- 24 Late starts
- 25 Early finishes
- 26 Turnaround time (In Recovery => Needle to skin)
- 27 Number of glitches (interruptions, messages, phone calls)

## Driver

**Run lists you plan to**

**Run lists to time**



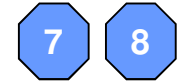
**Minimise delay between cases**

**Make similar procedures more consistent**

## Intervention

**Ensure correct staff available**

**Ensure correct kit available**



**Ensure correct patients available**



**Ensure start on time**



**Ensure lists filled appropriately**



**Have reliable process for fetching patients**

**Minimise theatre turnaround time**



**Minimise interruptions**

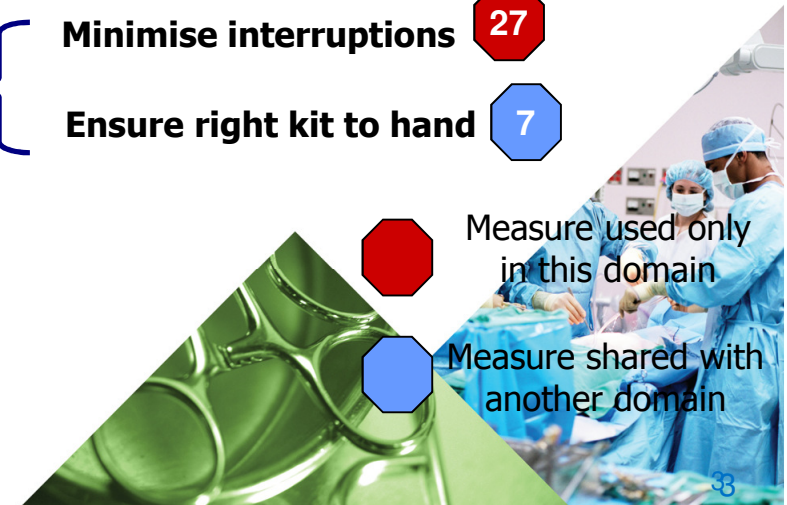


**Ensure right kit to hand**



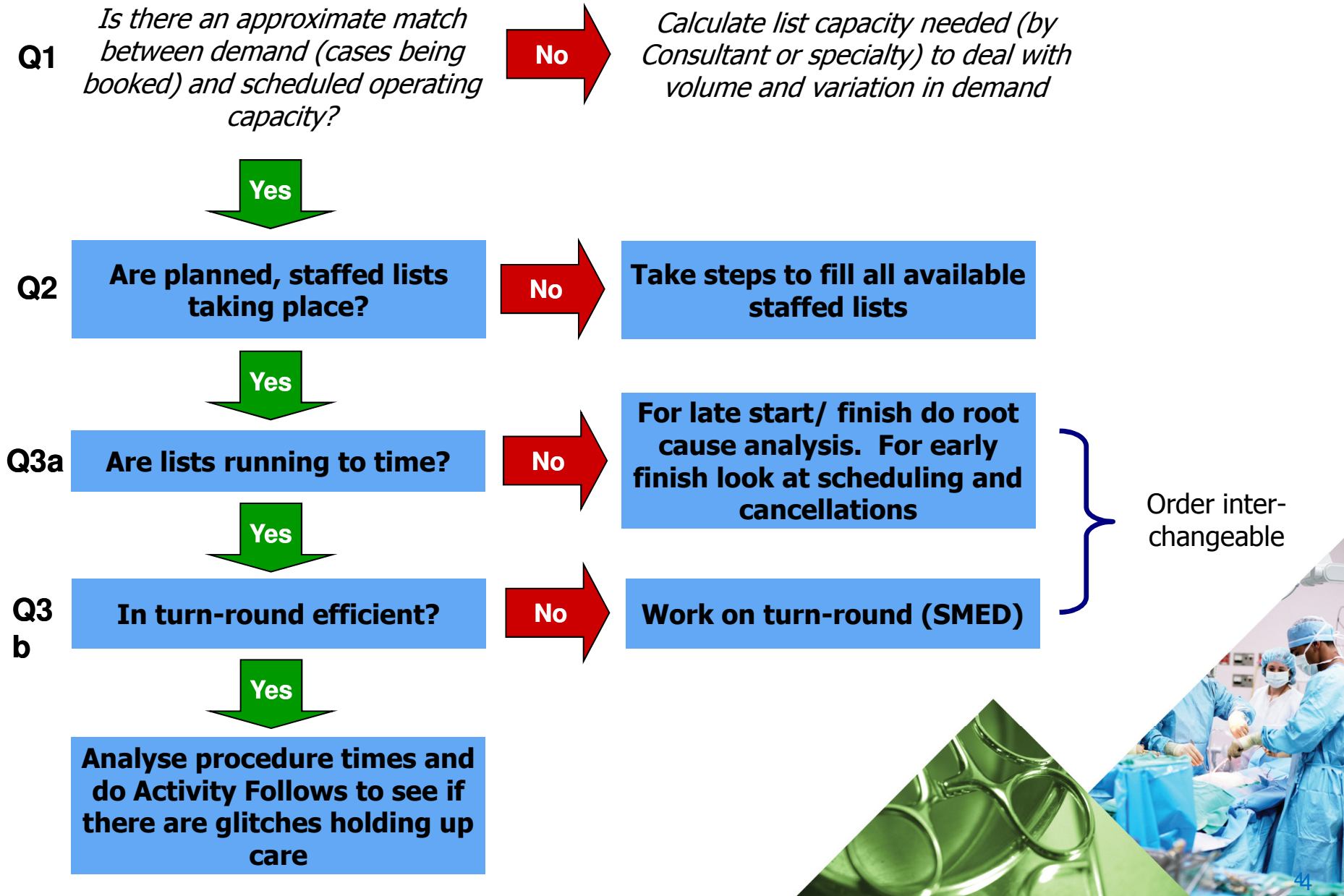
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# How to prioritise interventions in Efficiency & Value





# Patient Experience & Outcome Driver Diagram

## Aim

## Driver

## Intervention

**A good patient experience**



**Avoid unnecessary delay**

**Keep the patient informed**

**Avoid unnecessary discomfort**

**Minimise pre-op time**



**Minimise starvation time**



**Avoid cancellation**



**Provide timely recovery**



**Provide relevant information**

**Provide information in timely fashion**

**Control pain effectively**



**Implement SSI bundle inc Control body temperature**



**Minimise complications in recovery**



- P0 Overall patient experience score (from survey)
- P1 Patient Recorded Outcome Measures (PROMs)
- 28 Average time from admission to anaesthetic start
- 29 Average time patient is starved
- 30 % patients who got their original TCI date
- 31 Average Recovery delay
- 32 Average pain score in Recovery
- 6 % patients with 'normal' body temperature (part of SSI bundle)
- 33 % patients complication free in Recovery



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