

# "Bundles That Work: Reducing C-Section Infections with Fewer Interventions"



Review

## Surgical bundle sustainability in caesarean section births: An integrative review

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Surgical bundle  
sustainability in  
Caesarean  
Section Births

Background

**Bern Squires**

**Masters of Infection Prevention and Control  
Research Dissertation**

**Presenting the findings of our  
Literature (integrative) review**

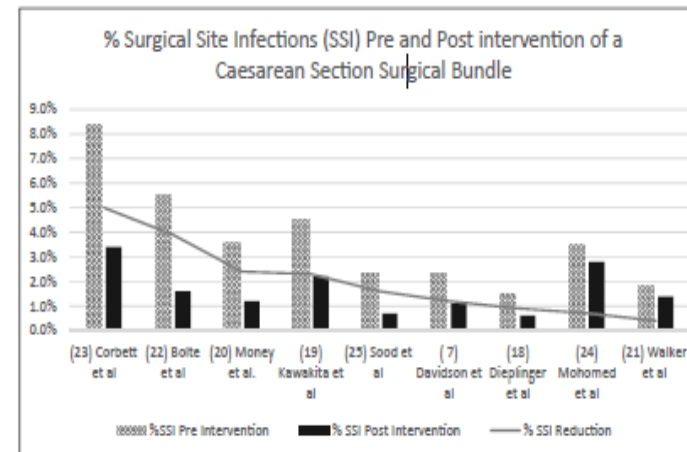
What are the key components of a cesarean surgical bundle?  
What is the evidence of compliance with , and sustainability of,  
the surgical bundle?

# Surgical bundle sustainability in Caesarean Section Births

## Key Findings

The studies with the highest SSI reduction included those with:

- Four key surgical bundle components (skin decolonisation (pre-op wash/ skin prep, clipping for hair removal and Antibiotic prophylaxis)
  - 3 – 4 of the above components
  - A duration of less than 2 years
  - Fewer participants
- **Results – SSI reduction was between 0.6 – 3.9%**



# Surgical bundle sustainability in Caesarean Section Births

## Key Findings

### **Compliance with the correct implementation of each component:**

- Improved compliance regardless of duration of the study
- Better compliance was demonstrated in a structured formal study design.

### **Sustaining compliance with surgical bundles:**

- No reported evidence to support ongoing compliance
- Recommendations discussed included surgical bundle orientation and education, standardization, enhanced communication, surveillance and timely reporting of SSI rates to clinical teams

# Surgical bundle sustainability in Caesarean Section Births

## Future steps

### **Surgical Bundle compliance and sustainability:**

#### **Recommendations**

- Continual routine monitoring of SSI rates and clinician compliance with evidence-based practice.
  - Root-cause analysis of each patient who develops an SSI
  - Timely reporting of non-compliance
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- Future research should investigate factors that support compliance and sustainability of surgical bundles.

Surgical bundle  
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**Thank you**