

CLEEN STUDY



STUDY WEBSITE
cleenstudy.com



EFFECTIVENESS PAPER



COST-EFFECTIVENESS PAPER



Cleaning and disinfection shared medical equipment reduces infection and saves hospitals money

The problem



Pathogens can be transferred through the environment, including shared equipment, to patients in hospital



Cleaning of shared equipment is often **not done** in hospitals



How effective and cost-effective enhanced cleaning of equipment is, **has been unknown**

What we did



A **world first** randomised control trial and cost-effectiveness analysis

Evaluating the impact of the intervention on
14 infections and changes in costs



Three hours of extra dedicated cleaning and disinfection of shared equipment, using **2 in 1 detergent disinfectant wipes**

What we found



-34.5% reduction in healthcare associated infections from
5002 patients in the trial



The intervention resulted in
\$642,010 reduction in costs compared to the control group
(for every 1000 patients).



For every **1000 patients**, the intervention resulted in
30 less healthcare-associated infections which **freed up 384 hospital beds** per day.



Implications



The CLEEN intervention is a **cost-saving initiative** and a decision-maker who chooses not to invest in it forgoes an opportunity to maximise health gain from a scarce budget.

