

Appendix Table 2. Study 1: Adjusted outcomes models for methicillin-resistant *Staphylococcus aureus* (MRSA) surgical site infection (SSI) compared to uninfected control patients^a

Variable	Deaths OR (95% CI)	Length of stay ^b OR ^d (95% CI)	Cost ^c OR (95% CI)
MRSA	11.4 (2.8 to 34.9)	3.2 (2.7 to 3.7)	2.2 (2.0 to 2.6)
ASA score ^{e,f}		1.3 (1.2 to 1.5)	ASA score = 4 3.7 (1.5 to 8.9) ASA score = 2 2.0 (1.4 to 2.9) ASA score = 3 3.0 (2.1 to 4.3) ASA Score = 4 4.1 (2.8 to 6.0)
>73 y of age	4.8 (2.0 to 11.6)		
Operative duration (min) ^g			
211–400		(0.9 to 1.3)	1.4 (1.2 to 1.7)
401–590		1.7 (1.2 to 2.4)	2.2 (1.6 to 3.1)
>590		1.8 (1.1 to 2.9)	2.6 (1.6 to 4.0)
Length of stay before surgery ^h			
7–13 d		1.6 (1.1 to 2.1)	1.7 (1.3 to 2.3)
14–20 d		3.6 (1.4 to 9.6)	5.6 (2.3 to 13.4)
>20 d		0.7 (0.2 to 2.6)	1.2 (0.3 to 4.3)
Intensive care unit stay before surgery			1.5 (1.2 to 2.0)
Tertiary care hospital			1.5 (1.2 to 1.7)

^aOR, odds ratio; CI, confidence interval; ASA, American Society of Anesthesiologists -Physical Status.

^bModel includes the following confounding variables: admission to the tertiary care hospital, diabetes, and renal disease.

^cModel includes the following confounding variable: renal disease.

^dFor length of hospital stay and cost, OR represents multiplicative effect

^eLength of stay increases by 1.3-fold for each point increase in ASA score.

^fFor cost, reference category is ASA score = 1.

^gReference category is operative duration < 211 min.

^hReference category is length of stay before surgery < 7 d.