Appendix Table 3. Study 1, adjusted outcomes models for methicillin-resistant *Staphylococcus. aureus* (MRSA) surgical site infections (SSI) compared to patients with methicillin-resistant *S. aureus* (MSSA) SSI[a]

	Deaths[b]	Length of Stay[c]	Cost[d]
Variable	OR (95% CI)	OR (95% CI)[e]	OR[e] (95% CI)
MRSA	3.4 (1.5 to 7.7)	1.2 (1.0 to 1.5)	1.2 (1.0 to 1.4)
ASA score[f]	ASA score = 4	ASA score = 2	ASA score = 2
	5.1 (2.1 to12.5)	0.9 (0.5 to 1.7)	1.0 (0.7 to 1.5)
		ASA score = 3	ASA score = 3
		1.6 (0.9 to 2.9)	1.4 (1.0 to 2.1)
		Asa score = 4	ASA score = 4
		1.8 (1.0 to 3.5)	2.1 (1.4 to 3.2)
Age > 61 years	3.0 (1.2 to 7.3)		
Operative duration, min[g]			
206–381		1.3 (1.0 to 1.6)	1.4 (1.1 to 1.6)
382–557		1.3 (0.8 to 2.1)	1.8 (1.3 to 2.5)
>557		1.1 (0.5 to 2.6)	1.6 (0.9 to 2.8)
Length (d) of stay before infection[h]			
11–20		1.4 (1.0 to 1.8)	1.6 (1.3 to 2.0)
21–30		1.6 (1.0 to 2.7)	1.7 (1.2 to 2.5)
>30		1.3 (0.5 to 3.1)	1.8 (0.9 to 3.8)
Renal disease		1.5 (1.0 to 2.2)	
Length (d) of intensive care unit stay before infection[i]			
8–14			1.8 (1.1, 2.8)
15–21			2.1 (1.1, 8.8)
>21			1.9 (0.4, 8.0)
Tertiary care hospital			1.3 (1.1, 1.6)

[a]OR, odds ratio; CI, confidence interval; ASA, American Society of Anesthesiologists -Physical Status.

[b]Model includes the following confounding variable: operative duration >222 min.

[c]Model includes the following confounding variables: admission to tertiary care hospital and diabetes.

[d]Model includes the following confounding variables: diabetes and renal disease.

[e]For length of hospital stay and cost, OR represents multiplicative effect.

[f]For deaths, reference category is ASA score < 1; for length of stay and cost, reference category is ASA score = 1.

[g]Reference category is operative duration < 206 min.

[h]Reference category is length of stay prior to infection < 11 d.

[i]Reference category is intensive care unit length of stay prior to infection < 8 d.