

Supplemental Table 3. Adjusted risk and protective factors for SSI, including the effect of the time from the initiation of surveillance to the operation (time to operation), by type of surgery

Intervention	Variable	OR (95% CI)	P value
Appendectomy	Time to operation, per year	1.01 (0.94-1.09)	0.76
	Laparoscopy, yes vs. no	0.61 (0.49-0.75)	<0.001
	Duration of surgery, per minute	1.006 (1.004-1.008)	<0.001
	Antibiotics within 1 hour, yes vs. no	0.63 (0.54-0.75)	<0.001
	Wound class, per class	2.44 (2.09-2.84)	<0.001
Cholecystectomy	Time to operation, per year	0.93 (0.85-1.02)	0.12
	ASA score, per category	1.54 (1.34-1.77)	<0.001
	Antibiotics within 1 hour, yes vs. no	0.60 (0.47-0.76)	<0.001
	Wound class, par class	1.52 (1.32-1.77)	<0.001
	Multiple interventions, yes vs. no	1.65 (1.25-2.17)	<0.001
	Duration of surgery, per minute	1.008 (1.006-1.009)	<0.001
Herniorraphy	Time to operation, per year	0.72 (0.62-0.83)	<0.001
	Sex, female vs. male	1.91 (1.36-2.68)	<0.001
	ASA score, per category	1.73 (1.40-2.13)	<0.001
	Antibiotics within 1 hour, yes vs. no	0.48 (0.34-0.67)	<0.001
	Wound class, per class	1.57 (1.16-2.12)	0.004
	Laparoscopy, yes vs. no	0.40 (0.27-0.61)	<0.001
	Duration of surgery, per minute	1.009 (1.007-1.012)	<0.001
Gastric bypass	Time to operation, per year	0.96 (0.79-1.17)	0.69
	Wound class, par class	2.69 (1.17-6.22)	0.02
	Duration of surgery, per minute	1.005 (1.002-1.008)	<0.001
Colon surgery	Time to operation, per year	1.02 (0.98-1.05)	0.34
	Age, per year	0.995 (0.992-0.998)	<0.001
	ASA score, per category	1.27 (1.20-1.34)	<0.001
	Unplanned operation, yes vs. no	1.36 (1.23-1.50)	<0.001
	Wound class, par class	1.24 (1.18-1.31)	<0.001
	Duration of surgery, per minute	1.003 (1.002-1.003)	<0.001
	Laparoscopy, yes vs. no	0.55 (0.50-0.60)	<0.001
Rectum surgery	Time to operation, per year	0.97 (0.84-1.11)	0.64
	ASA score, per category	1.57 (1.27-1.95)	<0.001
	Duration of surgery, per minute	1.003 (1.001-1.004)	<0.001
	Laparoscopy, yes vs. no	0.52 (0.38-0.71)	<0.001
	Antibiotics within 1 hour, yes vs. no	1.36 (1.01-1.83)	0.04
C-section	Time to operation, per year	0.92 (0.84-1.00)	0.05
	Age, per year	0.98 (0.96-1.00)	0.02
	ASA score, per category	1.19 (1.00-1.42)	0.05
	Unplanned operation, yes vs. no	1.75 (1.41-2.16)	<0.001
	Wound class, par class	1.41 (1.17-1.71)	<0.001
	Multiple interventions, yes vs. no	1.85 (1.26-2.73)	<0.001
	Duration of surgery, per minute	1.006 (1.002-1.009)	<0.001
Cardiac surgery (overall)	Time to operation, per year	0.91 (0.82-1.01)	0.07
	Duration of surgery, per minute	1.004 (1.003-1.005)	<0.001
CABG ^c	Time to operation, per year	0.88 (0.76-1.01)	0.1
	Sex, female vs. male	1.52 (1.14-2.02)	0.004
	ASA score, per category	1.25 (1.00-1.56)	0.047
	Duration of surgery, per minute	1.003 (1.001-1.005)	<0.001
Hip arthroplasty	Time to operation, per year	0.96 (0.85-1.08)	0.5
	Age, per year	0.990 (0.981-0.998)	0.018
	ASA score, per category	1.70 (1.45-1.99)	<0.001
	Duration of surgery, per minute	1.007 (1.005-1.009)	<0.001

Knee arthroplasty	Time to operation, per year	0.87 (0.72-1.04)	0.12
	ASA score, per category	1.38 (1.09-1.75)	0.008

CI: confidence interval; ASA: American Society of Anesthesiologists; CABG: Coronary arterial bypass graft