Additional file 2: Baseline and results at all time points

Table C1. Patient demographic and clinical characteristics at all time points

	All enrolled patients (N=805)	Index stay			30 days			90 days			1 year			2 years		
		No infection (N=775)	Infection (N=30)	p-value[a]	No infection (N=736)	Infection (N=64)	p-value[a]	No infection (N=699)	Infection (N=71)	p-value[a]	No infection (N=606)	Infection (N=80)	p-value[a]	No infection (N=509)	Infection (N=79)	p-value[a]
Demographics																
Age (years), mean (SD)	40.8 (17.2)	40.7 (16.8)	43.0 (23.9)	0.61	40.5 (16.9)	44.0 (19.1)	0.17	40.7 (16.9)	43.8 (19.1)	0.20	40.7 (16.8)	45.1 (19.1)	0.06	40.5 (16.4)	46.4 (20.0)	0.02
Gender, n (%) Male	590 (73.3)	569 (73.4)	21 (70.0)	0.84	539 (73.2)	47 (73.4)	1.00	508 (72.7)	52 (73.2)	1.00	438 (72.3)	59 (73.8)	0.89	368 (72.3)	57 (72.2)	1.00
Clinical history/comorbidities																
Charlson score, mean (SD)	0.04 (0.23)	0.04 (0.24)	0.00 (0.00)	<0.001	0.04 (0.24)	0.02 (0.12)	0.22	0.04 (0.3)	0.01 (0.12)	0.13	0.04 (0.24)	0.01 (0.11)	0.11	0.03 (0.22)	0.01 (0.11)	0.25
Smoker, n (%)	256 (31.8)	247 (31.9)	9 (30.0)	0.99	239 (32.5)	17 (26.6)	0.41	233 (33.3)	18 (25.4)	0.22	202 (33.3)	20 (25.0)	0.17	160 (31.4)	19 (24.1)	0.23
Diabetes, n (%)	27 (3.4)	27 (3.5)	0 (0.0)	0.62	26 (3.5)	1 (1.6)	0.72	26 (3.7)	1 (1.4)	0.50	21 (3.5)	3 (3.8)	0.75	15 (3.0)	3 (3.8)	0.72
COPD, n (%)	8 (1.0)	8 (1.0)	0 (0.0)	1.00	8 (1.1)	0 (0.0)	1.00	7 (1.0)	0 (0.0)	1.00	6 (1.0)	1 (1.3)	0.58	3 (0.6)	1 (1.3)	0.44
Congestive heart failure, n (%)	2 (0.3)	2 (0.3)	0 (0.0)	1.00	2 (0.3)	0 (0.0)	1.00	1 (0.1)	0 (0.0)	1.00	0 (0.0)	0 (0.0)	NA	0 (0.0)	0 (0.0)	NA
Hypertension, n (%)	12 (1.5)	12 (1.6)	0 (0.0)	1.00	12 (1.6)	0 (0.0)	0.61	12 (1.7)	0 (0.0)	0.62	10 (1.7)	0 (0.0)	0.62	7 (1.4)	0 (0.0)	0.60
Compartment syndrome, n (%)	27 (3.4)	22 (2.8)	5 (16.7)	0.00	19 (2.6)	8 (12.5)	<0.05	18 (2.6)	8 (11.3)	<0.05	17 (2.8)	9 (11.2)	0.00	15 (3.0)	8 (10.1)	<0.05
Index episode																
Year of intramedullary nailing, mean (SD)	2009 (3.6)	2009 (3.6)	2009 (3.6)	0.72	2009 (3.6)	2009 (3.6)	0.99	2009 (3.6)	2009 (3.6)	0.74	2008 (3.4)	2008 (3.4)	0.99	2008 (3.1)	2008 (3.1)	0.85
Inpatient waiting time (days) for surgery, mean (SD)	1.4 (2.4)	1.4 (2.4)	0.7 (2.4)	0.14	1.4 (2.4)	0.7 (1.7)	<0.05	1.4 (2.5)	0.8 (1.7)	<0.05	1.4 (2.4)	0.6 (1.0)	<0.001	1.4 (2.2)	0.6 (1.0)	<0.001
Fracture type, n (%) Closed fracture	663 (82.4)	648 (83.6)	15 (50.0)	<0.001	624 (84.8)	35 (54.7)	<0.001	595 (85.1)	42 (59.2)	<0.001	524 (86.5)	49 (61.3)	<0.001	438 (86.1)	52 (65.8)	<0.001

	All enrolled patients (N=805)	Index stay			30 days			90 days			1 year			2 years		
		No infection (N=775)	Infection (N=30)	p-value[a]	No infection (N=736)	Infection (N=64)	p-value[a]	No infection (N=699)	Infection (N=71)	p-value[a]	No infection (N=606)	Infection (N=80)	p-value[a]	No infection (N=509)	Infection (N=79)	p-value[a]
Received ≥1 prescription for antibiotics in the 12 months prior to the index stay, n (%)	60 (7.5)	60 (7.7)	0 (0.0)	0.16	57 (7.7)	3 (4.7)	0.47	56 (8.0)	3 (4.2)	0.36	47 (7.8)	4 (5.0)	0.51	35 (6.9)	5 (6.3)	1.000
Received ≥1 prescription for opioids in the 12 months prior to the index stay, n (%)	16 (2.0)	15 (1.9)	1 (3.3)	0.46	15 (2.0)	1 (1.6)	1.00	15 (2.2)	1 (1.4)	1.00	11 (1.8)	2 (2.5)	0.66	8 (1.6)	2 (2.5)	0.63

Abbreviations: COPD, chronic obstructive pulmonary disease; NA, not applicable; SD, standard deviation.

[a] No infection versus infection, t-tests were performed for comparison of continuous variables and chi-squared (or Fisher exact tests when n was

<5) for comparison of categorical variables.

Table D1. Comparative results at all time points

Time period	Endpoint	Bivariate analysis, mean (SD)		Multivariate analysis, mean (95% CI)		Absolute difference (multivariate analysis)
		Infection	No infection	Infection	No infection	
Index stay *(N infection = 30; N no infection = 775)*	Total costs (£)	11,695 (6,553)	6,669 (3,133; p<0.001)	10,384 (8,900, 12,116)	6,603 (6,411, 6,802)	3,781 p<0.001
	Inpatient costs (£)	11,695 (6,553)	6,669 (3,133; p<0.001)	10,384 (8,900, 12,116)	6,603 (6,411, 6,802)	3,781 p<0.001
	LOS (days)	22.6 (20.0)	9.7 (12.1; p<0.001)	17.6 (13.0, 23.7)	8.5 (8.0, 9.0)	9.05 p<0.001
	ICU LOS (days)	1.5 (8.2)	0.1 (1.1; p=0.53)	0.1 (0.1, 0.2)	0.0 (0.0, 0.01)	0.115 p<0.001
	Reoperations (number)	0.3 (0.8)	0.0 (0.1; p<0.001)	0.1 (0.0, 0.2)	0.0 (0.0, 0.0)	0.070 p<0.001
	Reoperations (rate, %)	13.3	1.3 (p<0.001)	9.7 (3.1, 26.3)	1.1 (0.5, 2.1)	8.6 p<0.001

Time period	Endpoint	Bivariate analysis, mean (SD)		Multivariate analysis, mean (95% CI)		Absolute difference (multivariate analysis)
		Infection	No infection	Infection	No infection	
Index stay + 30 days post-discharge *(N infection = 64; N no infection = 736)*	Total costs (£)	12,673 (7,345)	7,089 (3,588; p<0.001)	11,257 (10,045, 12,615)	7,017 (6,792, 7,248)	4,241 p<0.001
	Inpatient costs (£)	12,367 (7,290)	6,829 (3,397; p<0.001)	11,008 (9,818, 12,343)	6,768 (6,551, 6,993)	4,240 p<0.001
	Hospital outpatient/ambulatory costs (£)	215 (116)	155 (94; p=0.4)	245 (145, 345)	152 (125, 179)	93 p=0.07
	Primary care costs (£)	289 (555)	254 (673, p=0.24)	243 (139, 426)	205 (175, 241)	38 p=0.57
	LOS (days)	19.3 (19.2)	10.1 (12.2; p<0.001)	15.0 (12.1, 18.6)	8.9 (8.4, 9.5)	6.1 p<0.001
	ICU LOS (days)	0.7 (5.6)	0.1 (1.1; p=0.4)	0.1 (0.0, 0.1)	0.0 (0.0, 0.0)	0.0 p<0.001
	Readmissions (number)	0.6 (0.6)	0.1 (0.3; p<0.001)	0.5 (0.4, 0.7)	0.1 (0.1, 0.1)	0.4 p<0.001
	Readmissions (rate, %)	48.4	7.6 (p<0.001)	44.1 (31.5, 57.5)	7.1 (5.4, 9.2)	37.0 p<0.001
	Reoperations (number)	0.2 (0.7)	0.0 (0.1; p<0.001)	0.1 (0.1, 0.2)	0.0 (0.0, 0.0)	0.1 p<0.001
	Reoperations (rate, %)	14.1	1.6 (p<0.001)	11.5 (5.4, 22.9)	1.3 (0.7, 2.5)	10.2 p<0.001
	Amputation (rate, %)	3.1	0.1 (p<0.01)	Not feasible		
	Hospital outpatient/ambulatory referrals (number)	1.6 (0.9)	1.2 (0.5; p=0.28)	1.6 (1.1, 2.2)	1.21 (1.0, 1.4)	0.45 p=0.13
	Total costs (£)	13,621 (7,827)	7,527 (4,326; p<0.001)	11,949 (10,634,13,427)	7,423 (7,160, 7,696)	4,526 p<0.001
	Inpatient costs (£)	13,154 (7,673)	7,157 (4,111; p<0.001)	11,532 (10,246,12,979)	7,072 (6,818, 7,336)	4,459 p<0.001

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Time period	Endpoint	Bivariate analysis, mean (SD)		Multivariate analysis, mean (95% CI)		Absolute difference (multivariate analysis)
		Infection	No infection	Infection	No infection	
Index stay + 90 days post-discharge *(N infection = 71; N no infection = 699)*	Hospital outpatient/ambulatory costs (£)	183 (87)	171 (135; p=0.53)	194 (125, 264)	170 (141, 198)	25 p=0.515
	Primary care costs (£)	436 (637)	353 (737; p<0.05)	428 (290, 630)	299 (264, 338)	129 p=0.084
	LOS (days)	21.7 (21.5)	11.1 (14.6 p<0.001)	16.4 (13.2, 20.4)	9.6 (9.0, 10.3)	6.8 p<0.001
	ICU LOS (days)	0.7 (5.3)	0.1 (1.2; p=0.576)	0.0 (0.0, 0.1)	0.0 (0.0, 0.0)	0.0 p<0.001
	Readmissions (number)	0.8 (0.8)	0.2 (0.6; p<0.001)	0.7 (0.5, 0.9)	0.2 (0.2, 0.2)	0.5 p<0.001
	Readmissions (rate, %)	57.7	17.2 (p<0.001)	5.4 (41.5, 65.9)	16.5 (13.9, 19.5)	37.4 p<0.001
	Reoperations (number)	0.3 (0.7)	0.1 (0.3; p<0.001)	0.2 (0.1, 0.3)	0.1 (0.0, 0.1)	0.1 p=0.001
	Reoperations (rate, %)	18.3	6.0 (p<0.001)	14.3 (7.7, 25.0)	5.4 (3.9, 7.4)	9.0 p<0.05
	Amputation (rate, %)	2.8	0.1 (p<0.05)	Not feasible		
	Hospital outpatient/ambulatory referrals (number)	1.2 (0.6)	1.4 (0.9; p=0.92)	1.3 (0.9, 1.7)	1.4 (1.2, 1.5)	0.0 p=0.835
Index stay + 1 year post-discharge *(N infection = 80; N no infection = 606)*	Total costs (£)	16,800 (12,663)	8,435 (5,330; p<0.001)	14,756 (13,123, 16,593)	8,279 (7,946, 8,626)	6,478 p<0.001
	Inpatient costs (£)	15,580 (11,872)	7,746 (5,060; p<0.001)	13,672 (12,122, 15,420)	7,616 (7,301, 7,944)	6,056 p<0.001
	Hospital outpatient/ambulatory costs (£)	250 (251)	239 (218; p=0.77)	220 (151, 288)	244 (211, 277)	25 p=0.516
	Primary care costs (£)	1,139 (1,657)	630 (903; p<0.001)	1,017 (769, 1,344)	551 (498, 609)	466 p<0.001

Time period	Endpoint	Bivariate analysis, mean (SD)		Multivariate analysis, mean (95% CI)		Absolute difference (multivariate analysis)
		Infection	No infection	Infection	No infection	
	LOS (days)	28.5 (33.3)	12.6 (21.3; p<0.001)	21.9 (17.3, 27.7)	10.5 (9.7, 11.4)	11.4 p<0.001
	ICU LOS (days)	0.2 (1.5)	0.1 (1.1; p=0.758)	0.0 (0.0, 0.0)	0.0 (0.0, 0.0)	0.0 p=0.914
	Readmissions (number)	1.5 (1.5)	0.5 (0.9; p<0.001)	1.5 (1.2, 1.8)	0.5 (0.4, 0.6)	1.0 p<0.001
	Readmissions (rate, %)	75	36 (p<0.001)	74.4 (63.4, 83.0)	35.9 (32.1, 39.9)	38.5 p<0.001
	Reoperations (number)	0.6 (1.0)	0.2 (0.5; p<0.001)	0.6 (0.5, 0.8)	0.2 (0.2, 0.3)	0.4 p<0.001
	Reoperations (rate, %)	37.5	21.3 (p<0.01)	38.6 (28.3, 50.0)	20.3 (17.2, 23.8)	18.2 p<0.001
	Amputation (rate, %)	2.5	0.2 (p<0.05)	Not feasible		
	Hospital outpatient/ambulatory referrals (number)	1.8 (1.6)	1.8 (1.5; p=0.66)	1.7 (1.2, 2.1)	1.8 (1.6, 2.1)	0.2 p=0.44
Index stay + 2 years post-discharge

(N infection = 79; N no infection = 509) | Total costs (£) | 18,779 (14,929) | 9,611 (6,284; p<0.001) | 16,626 (14,664, 18,849) | 9,439 (8,998, 9,901) | 7,187 p<0.001 |
	Inpatient costs (£)	16,900 (13,720)	8,573 (5,729; p<0.001)	14,898 (13,106, 16,935)	8,447 (8,044, 8,871)	6,451 p<0.001
	Hospital outpatient/ambulatory costs (£)	282 (296)	275 (265; p=0.893)	264 (189, 338)	277 (243, 310)	13 p=0.747
	Primary care costs (£)	1,758 (2,437)	929 (1,179; p<0.01)	1,487 (1,149, 1,924)	821 (742, 907)	666 p<0.001
	LOS (days)	31.5 (38.1)	13.4 (22.6; p<0.001)	24.6 (19.6, 30.8)	11.3 (10.4, 12.3)	13.3 p<0.001
	ICU LOS (days)	0.2 (1.5)	0.1 (1.2; p=0.24)	0.0 (0.0, 0.0)	0.0 (0.0, 0.0)	0.0 p=0.20

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Time period	Endpoint	Bivariate analysis, mean (SD)		Multivariate analysis, mean (95% CI)		Absolute difference (multivariate analysis)
		Infection	No infection	Infection	No infection	
	Readmissions (number)	2.1 (2.3)	1.0 (1.5; p<0.001)	2.2 (1.9, 2.6)	0.9 (0.8, 1.0)	1.3 p<0.001
	Readmissions (rate, %)	77.2	51.1 (p<0.001)	77.6 (67.0, 85.6)	51.4 (46.9, 56.8)	26.3 p<0.001
	Reoperations (number)	0.8 (1.1)	0.4 (0.7; p<0.01)	0.8 (0.6, 1.0)	0.4 (0.3, 0.4)	0.4 p<0.001
	Reoperations (rate, %)	46.8	32.4 (p<0.05)	49.0 (37.7, 60.3)	31.2 (27.2, 35.5)	17.7 p<0.05
	Amputation (rate, %)	3.8	0.2 (p<0.01)	Not feasible		
	Hospital outpatient/ambulatory referrals (number)	2.0 (2.0)	2.1 (1.9; p=0.55)	2.0 (1.5, 2.5)	2.1 (1.8, 2.3)	0.1 p=0.82

Abbreviations: CI, confidence interval; ICU, intensive care unit; LOS, length of stay; NA, not applicable; SD, standard deviation.

Table D2. 1 year cost breakdown (£) – inpatient setting

Endpoint	Bivariate analysis, mean (SD)	
	Infection	No infection
Total inpatient costs	15,580 (11,872)	7,746 (5,060)
HRG costs	15,488 (11,743)	7,702 (4,985)
Unbundled HRG costs	36 (116)	16 (72)
Critical care costs	56 (381)	26 (208)
Specialised care costs	0 (0)	2 (42)

Abbreviations: HRG, Healthcare Resource Group; SD, standard deviation.

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Table D3. 1 year healthcare resource use and cost breakdown – primary care

Endpoint	Bivariate analysis, mean (SD)	
	Infection	**No infection**
Costs (£)		
Total primary care costs	1,139 (1,657)	630 (903)
Total drug costs	368 (1,031)	198 (681)
Total test costs	147 (247)	95 (186)
Imaging test costs	27 (71)	25 (72)
Total consultation costs	625 (721)	338 (334)
GP	322 (317)	212 (225)
Nurse	140 (362)	36 (75)
Other healthcare professional	120 (243)	55 (121)
Administrative	42 (36)	35 (30)
Healthcare resource use (number)		
Total tests	25 (52)	14 (30)
Imaging tests	0.4 (0.8)	0.5 (1.5)
Total consultations	52 (51)	33 (25)
GP	14 (13)	9 (9)
Nurse	10 (21)	3 (5)
Other healthcare professional	9 (17)	4 (8)
Administrative	22 (18)	18 (15)

Abbreviations: GP, General Practitioner; SD, standard deviation.

Table D4. Subgroup analyses of 1 year inpatient costs – infection type (deep versus superficial)

	No infection (N=606)	Superficial infection (N=54)	Deep infection (N=26)
Bivariate analysis, mean (SD)	£7,746 (£5,060)	£14,232 (£8,633)	£18,378 (£16,592)
Multivariate analysis, mean (95% CI)[a]	£7,614 (£7,301, £7,941)	£12,814 (£11,093, £14,803)	£15,513 (£12,640, £19,040)

Abbreviations: CI, confidence interval; COPD, chronic obstructive pulmonary disease; SD, standard deviation.

[a] Adjusted for open/closed fracture, age, smoker, year at index, diabetes, COPD, days prior nailing and compartment syndrome.

Table D5. Subgroup analyses of 1 year inpatient costs – fracture type (open versus closed)

	No infection (N=606)		Infection (N=80)	
Fracture type	Closed (N=524)	Open (N=82)	Closed (N=49)	Open (N=31)
Bivariate analysis, mean (SD)	£7,433 (£3,957)	£9,741 (£9,247)	£12,291 (£7,366)	£20,778 (£15,451)
Multivariate analysis, mean (95% CI)[a]	£7,278 (£6,956, £7,614)	£9,495 (£8,469, £10,645)	£12,178 (£10,492, £14,136)	£19,542 (£16,166, £23,623)

Abbreviations: CI, confidence interval; COPD, chronic obstructive pulmonary disease; SD, standard deviation.

[a] Adjusted for age, smoker, year at index, diabetes, COPD, days prior nailing and compartment syndrome.

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Table D6. Sensitivity analyses

Time period	Endpoint	Bivariate analysis, mean (SD)		Multivariate analysis, mean (95% CI)		Absolute difference (multivariate analysis)
		Infection	No infection	Infection	No infection	
Index stay (N infection = 24; N no infection = 564)	Total costs (£)	12,554 (6,832)	6,580 (3,123; p<0.001)	11,110 (9,328, 13,232)	6,517 (6,295, 6,747)	4,593 p<0.001
	LOS (days)	24.2 (20.9)	9.4 (11.7; p<0.001)	18.6 (13.1, 26.4)	8.5 (7.9, 9.1)	10.1 p<0.001
	Reoperations (number)	0.3 (0.9)	0.0 (0.1; p<0.001)	0.1 (0.0, 0.3)	0.0 (0.0, 0.0)	0.1 p<0.001
	Reoperations (rate)	12.5	1.6 (p<0.01)	9.9 (2.7, 30.6)	1.4 (0.7, 2.8)	8.5 p<0.05
Index stay + 30 days post-discharge (N infection = 51; N no infection = 537)	Total costs (£)	12,957 (7,385)	7,077 (3,747; p<0.001)	11,453 (10,016, 13,096)	7,010 (6,739, 7,292)	4,444 p<0.001
	LOS (days)	20.2 (19.4)	10.0 (12.4; p<0.001)	15.6 (12.1, 20.0)	9.1 (8.4, 9.8)	6.5 p<0.001
	Readmissions (number)	0.6 (0.6)	0.1 (0.3; p<0.001)	0.5 (0.3, 0.7)	0.1 (0.1, 0.1)	0.4 p<0.001
	Readmissions (rate)	47.1	8.4 (p<0.001)	45.7 (32.0, 60.0)	7.9 (5.9, 10.5)	37.8 p<0.001
	Reoperations (number)	0.3 (0.7)	0.0 (0.2; p<0.001)	0.1 (0.1, 0.3)	0.0 (0.0, 0.0)	0.1 p<0.001
	Reoperations (rate)	13.7	2.2 (p<0.001)	11.7 (5.0, 25.3)	1.8 (1.0, 3.4)	9.9 p<0.001
Index stay + 90 days post-discharge (N infection = 59; N no infection = 529)	Total costs (£)	13,620 (7,762)	7,584 (4,622; p<0.001)	11,869 (10,364, 13,593)	7,480 (7,160, 7,813)	4,389 p<0.001
	LOS (days)	21.9 (21.8)	11.2 (15.2; p<0.001)	16.3 (12.7, 21.0)	9.8 (9.1, 10.7)	6.5 p<0.001
	Readmissions (number)	0.8 (0.8)	0.2 (0.5; p<0.001)	0.7 (0.5, 0.9)	0.2 (0.2, 0.2)	0.5 p<0.001

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Time period	Endpoint	Bivariate analysis, mean (SD)		Multivariate analysis, mean (95% CI)		Absolute difference (multivariate analysis)
		Infection	No infection	Infection	No infection	
	Readmissions (rate)	57.6	18.1 (p<0.001)	54.9 (41.1, 68.0)	17.2 (14.1, 20.8)	37.7 p<0.001
	Reoperations (number)	0.3 (0.7)	0.1 (0.3; p<0.05)	0.2 (0.1, 0.3)	0.1 (0.0, 0.1)	0.1 p<0.05
	Reoperations (rate)	15.3	7.0 (p<0.05)	11.1 (5.2, 22.0)	6.1 (4.3, 8.7)	5.0 p=0.1438
Index stay + 1 year post-discharge *(N infection = 72; N no infection = 516)*	Total costs (£)	16,788 (12,914)	8,449 (5,525; p<0.001)	14,597 (12,841, 16,593)	8,294 (7,920, 8,686)	6,303 p<0.001
	LOS (days)	29.2 (34.6)	12.3 (21.1; p<0.001)	22.5 (17.7, 28.5)	10.3 (9.4, 11.2)	12.2 p<0.001
	Readmissions (number)	1.5 (1.6)	0.5 (0.9; p<0.001)	1.5 (1.2, 1.8)	0.5 (0.4, 0.6)	1.0 p<0.001
	Readmissions (rate)	75.0	35.5 (p<0.001)	75.0 (63.6, 83.8)	35.3 (31.2, 39.6)	39.7 p<0.001
	Reoperations (number)	0.6 (0.9)	0.2 (0.5; p<0.01)	0.5 (0.4, 0.7)	0.2 (0.2, 0.3)	0.3 p<0.001
	Reoperations (rate)	36.1	21.7 (p<0.05)	37.4 (26.7, 49.5)	20.7 (17.3, 24.5)	16.8 p<0.05
Index stay + 2 years post-discharge *(N infection = 79; N no infection = 509)*	Total costs (£)	18,779 (14,929)	9,611 (6,284; p<0.001)	16,626 (14,664, 18,849)	9,439 (8,998, 9,901),	7,187 p<0.001
	LOS (days)	31.5 (38.1)	13.4 (22.6; p<0.001)	24.6 (19.6, 30.8)	11.3 (10.4, 12.3)	13.3 p<0.001
	Readmissions (number)	2.1 (2.3)	1.0 (1.5; p<0.001)	2.2 (1.9, 2.5)	0.9 (0.8, 1.0)	1.3 p<0.001
	Readmissions (rate)	77.2	51.1 (p<0.001)	77.6 (67.0, 85.6)	51.4 (46.9, 55.8)	26.3 p<0.001
	Reoperations (number)	0.8 (1.1)	0.4 (0.7; p<0.01)	0.8 (0.6, 1.0)	0.4 (0.3, 0.5)	0.4 p<0.001

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Time period	Endpoint	Bivariate analysis, mean (SD)		Multivariate analysis, mean (95% CI)		Absolute difference (multivariate analysis)
		Infection	No infection	Infection	No infection	
	Reoperations (rate)	46.8	32.4 (p<0.05)	49.0 (37.7, 60.3)	31.2 (27.2, 35.5)	17.7 p<0.05

Abbreviations: CI, confidence interval; LOS, length of stay; NA, not applicable; SD, standard deviation.