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**Appendix A.** Patient Demographics and Baseline Characteristics Before Matching. Standardized differences are included to show variation between the overlap and no overlap cohorts.

Demographic/ Baseline Characteristic	Matched Patients with Overlap n = 3738	Matched Patients without Overlap n = 14215	Standardized Difference
Race			
White	2147 (57.44)	8709 (61.27)	0.0907
Non-White	1591 (42.56)	5506 (38.73)	
Median Duration of Surgery, minutes (sd)	119.11 (83.59)	86.87 (66.92)	0.4258
Median Total Cost of Surgical Supplies and Implants, dollars (sd)	2292.83 (3703.58)	2747.15 (4084.72)	-0.1165
Mean Length of Stay, days (sd)	4.35 (9.62)	3.43 (7.97)	0.1043
Median Household Income, dollars (sd)	61115.12 (30025.95)	63391.38 (30201.01)	-0.0756
Mean BMI, m/kg <sup>2</sup> (sd)	29.03 (6.93)	29.83 (7.27)	-0.1126
Insurance Type, n (%)			
Commercial	323 (8.64)	776 (5.46)	0.2372
Other	3415 (91.36)	13439 (94.54)	
Admission Type, n (%)			
Routine Scheduled	2938 (78.60)	12387 (87.14)	0.2404
Other	800 (21.40)	1828 (12.86)	
Mean Charlson Comorbidity Index (CCI) Score, n (sd)	1.641 (2.10)	2.086 (2.25)	-0.2047
Mean Number of other Surgical Intervention within 30 Days Prior to Surgery, n (sd)	0.185 (0.68)	0.125 (0.55)	0.0976
Mean Number of other Lifetime Surgical Intervention Prior to Surgery, n (sd)	0.545 (1.32)	0.467 (1.23)	0.0616
Incision Site Contaminant Status, n (%)			
Clean	3154 (84.38)	12623 (88.80)	0.1448
Contaminated	584 (15.62)	1592 (11.20)	

**Appendix B.** Odds Ratios and 95% Confidence Intervals for Patient Outcomes.

<b>Outcome/ Complication</b>	<b>Any Overlap OR (95% CI)</b>	<b>Beginning Overlap OR (95% CI)</b>	<b>End Overlap OR (95% CI)</b>
30 Day Readmission	0.92 (0.77-1.10)	0.73 (0.52-1.01)	0.85 (0.59-1.23)
90 Day Readmission	1.07 (0.85-1.35)	1.24 (0.79-1.95)	1.32 (0.83-2.13)
30 Day Reoperation	0.97 (0.72-1.30)	0.82 (0.45-1.48)	1.29 (0.66-2.60)
90 Day Reoperation	1.20 (0.93-1.57)	1.03 (0.62-1.72)	1.64 (0.94-2.92)
30 Day ER Visit	1.14 (0.91-1.44)	0.91 (0.60-1.36)	1.20 (0.72-2.02)
90 Day ER Visit	1.14 (0.89-1.46)	1.30 (0.84-2.02)	0.69 (0.41-1.16)
Unexpected Return to OR within 30 Days	0.99 (0.81-1.20)	1.02 (0.68-1.53)	1.27 (0.79-2.07)
Unexpected Return to OR within 90 Days	1.00 (0.86-1.16)	0.98 (0.72-1.33)	1.53 (1.08-2.17)
90 Day Mortality	0.67 (0.47-0.96)	0.58 (0.28-1.13)	0.55 (0.24-1.20)