

Data Supplement 1: Multivariable linear regression models for length of stay

Feature	Estimate (SE)	P-value
Total LOS*		
Period (intervention vs. control)	0.19 (0.25)	0.46
Daily census	0.20 (0.08)†	0.009
ESI level (4/5 vs. 3)	-2.79 (0.27)	<0.001
Treatment Room LOS*		
Period (intervention vs. control)	-1.32 (0.27)	<0.001
Daily census	0.00 (0.08)†	0.96
ESI level (4/5 vs. 3)	-4.53 (0.28)	<0.001
Waiting Room LOS*		
Period (intervention vs. control)	1.45 (0.29)	<0.001
Daily census	0.30 (0.09)†	0.001
ESI level (4/5 vs. 3)	1.27 (0.30)	<0.001
* LOS transformed using the square root.		
† Estimate and SE represent a 10-unit increase.		
SE = standard error; ESI = Emergency Severity Index; LOS = length of stay		