

Table 4 - Linear regression of the effect of admission route and surgery within 48 hours on length of stay adjusting for confounding factors

Variable	B	Confidence Interval	P Value
Admission Type *	5.99	2.99-9.00	p < 0.001
Surgery Within 48hrs *	4.17	2.21-6.19	p < 0.001
Year *	1.23	-0.48-2.94	p = 0.159
Age	0.24	0.14-0.34	p < 0.001
Gender *	2.24	0.34-4.15	p = 0.021
ASA *			
ASA 1	Reference		
ASA 2	4.07	0.45-7.69	p = 0.027
ASA 3	7.14	3.77-11.05	p < 0.001
ASA 4	5.48	-0.10-11.05	p = 0.054
ASA 5	-12.54	-42.83-17.92	p = 0.422
Not Documented	7.59	3.33-11.85	p < 0.001

* Categorical variable reference values: Admission type = direct admission; Gender= female; ASA = ASA 1; Surgery Within 48hrs = Yes; Year = 2014.