

**Supplemental Table.** The association of procalcitonin test (PCT) availability for physician ordering in the medical intensive care unit (ICU) of a tertiary health system on days of antibiotics used and hospital length of stay (N=1,793).

Encounter characteristics	Days of antibiotics used Coefficient (95% CI)	Hospital length of stay Coefficient (95% CI)
<b>PCT adoption, pre</b>	REF	REF
<b>Post</b>	<b>-0.58**</b> (-0.99 – -0.17)	<b>0.64*</b> (0.12 – 1.15)
Days of antibiotic used		0.84** (0.78 – 0.90)
Gender, male	REF	REF
Female	-0.64** (-1.05 – -0.23)	-0.33 (-0.83 – 0.18)
Race, White	REF	REF
Black	0.42 (-0.06 – 0.89)	-0.64* (-1.20 – -0.08)
Asian or other	-0.10 (-0.79 – 0.58)	-0.52 (-1.62 – 0.58)
Ethnicity, Hispanic	REF	REF
Non-Hispanic	-0.30 (-0.95 – 0.35)	-0.22 (-1.44 – 0.99)
Age	-0.01 (-0.02 – 0.01)	-0.01 (-0.02 – 0.02)
Insurance, Medicaid or other government	REF	REF
Medicare	0.92** (0.29 – 1.55)	-0.34 (-1.07 – 0.40)
Private	0.60* (0.01 – 1.20)	0.57 (-0.27 – 1.42)
Self-pay or Uninsured	0.18 (-1.00 – 1.36)	-0.01 (-1.60 – 1.59)
Hospital length of stay	0.43** (0.38 – 0.47)	
ICU stay	0.17** (0.06 – 0.28)	0.28** (0.16 – 0.39)
Number of Elixhauser Comorbidities	0.10* (0.01 – 0.19)	0.27** (0.15 – 0.39)
Days on dialysis or renal replacement therapy	-0.12** (-0.20 – -0.04)	0.54** (0.26 – 0.83)
Days on mechanical ventilation	0.09 (-0.00 – 0.19)	0.22** (0.14 – 0.29)
Discharge disposition, Home		REF
Facility		0.41 (-0.38 – 1.19)
Expired (in-hospital)		-3.14** (-3.72 – -2.57)
REF, reference category; CI, confidence interval. Regression analysis adjusted for variables listed in table and clustered by patient level. Missing values for demographic characteristics were analyzed as a separate missing category. *p<0.05 and **p<0.01.		