

Supplementary Online Content

Xu T, Park A, Bai G, et al. Variation in emergency department vs internal medicine excess charges in the United States. *JAMA Intern Med*. Published online May 30, 2017. doi:10.1001/jamainternmed.2017.1598

eTable. Hospital Characteristics Associated with Higher Markup Ratios

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Hospital Characteristics Associated with Higher Markup Ratios

Characteristic	Emergency Department	Internal Medicine
	Markup Ratio	Markup Ratio
	(N=2707)	(N=3669)
Hospital size, beds		
<200	Ref	Ref
200-399	-0.25 (-0.42 to -0.09)	-0.15 (-0.22 to -0.07)
≥400	-0.52 (-0.75 to -0.30)	-0.01 (-0.11 to 0.09)
For-profit	0.86 (0.68 to 1.04)	-0.04 (-0.12 to 0.04)
Urban	0.02 (-0.11 to 0.16)	-0.07 (-0.13 to -0.01)
Academic	-0.14 (-0.30 to 0.02)	-0.03 (-0.10 to 0.04)
Population in poverty, %		
<10	Ref	Ref
10-19	-0.07 (-0.25 to 0.12)	0.1 (0.01 to 0.18)
≥20	-0.06 (-0.27 to 0.15)	0.15 (0.06 to 0.24)
Uninsured population, %		
<10	Ref	Ref
10-19	0.18 (-0.005 to 0.37)	-0.12 (-0.20 to -0.04)
≥20	0.30 (0.03 to 0.56)	-0.13 (-0.24 to -0.01)
Race/ethnicity, %		
≥20 African American*	0.22 (0.04 to 0.41)	-0.11 (-0.19 to 0.02)
≥20 Hispanic*	0.36 (0.17 to 0.55)	0.03 (-0.06 to 0.11)
Region		
Northeast	Ref	Ref
Southeast	1.06 (0.83 to 1.29)	0.19 (0.09 to 0.29)

Midwest	0.23 (0.01 to 0.45)	0.12 (0.03 to 0.22)
West	0.00 (-0.24 to 0.25)	0.21 (0.11 to 0.32)
Safety-net hospital	0.05 (-0.12 to 0.23)	0.11 (0.03 to 0.18)