

Supplementary Table S1: Predictors of In-Hospital Mortality

Effect	Effect level	OR (95% CI)
Age	65-74	reference
	75-84	1.07(1.04, 1.1)
	≥ 85	1.14(1.11, 1.18)
Gender	Male	reference
	Female	0.95(0.93, 0.97)
Marital status	Married	reference
	Single	0.96(0.94, 0.99)
	Unknown	1.26(0.93, 1.72)
	Other	1.04(0.98, 1.1)
Race	White	reference
	Hispanic	1.19(1.04, 1.36)
	Black	0.98(0.94, 1.02)
	Unknown	1.19(0.81, 1.74)
	Others	1.08(1.04, 1.13)
Insurance status	Medicare	reference
	Managed Care	1.01(0.95, 1.08)
	Medicaid	1.02(0.94, 1.11)
	Commercial Indemnity	1.06(0.96, 1.16)
	Others	1.15(1.06, 1.25)
Dialysis		1.07(1.02, 1.12)
Admit from SNF/ICF		1.31(1.27, 1.36)
Combined comorbidities		1.21(1.2, 1.22)
COPD		0.75(0.74, 0.77)
Congestive heart failures		0.96(0.93, 0.98)
Diabetes		0.96(0.93, 0.98)
Obesity		0.86(0.82, 0.89)
Solid tumor w/out metastasis		1.49(1.36, 1.63)
Metastatic cancer		0.91(0.87, 0.96)
Liver disease		1.49(1.4, 1.58)
Low functional status		1.22(1.19, 1.25)
Paralysis		1.04(0.99, 1.08)
Smoker		0.92(0.88, 0.96)
Pressure ulcer		1.48(1.43, 1.53)
Dementia		0.75(0.73, 0.78)
UTI		1.2(1.17, 1.23)
DNR		2.29(2.24, 2.35)
Hospital Characteristics		

Effect	Effect level	OR (95% CI)
Academic status	Teaching	reference
	Non-teaching	0.98 (0.9, 1.06)
Urban/rural	Urban	reference
	Rural	1.0 (0.92, 1.1)
Bed size	≤ 200 Beds	reference
	201 - 400 Beds	1.21 (1.12, 1.32)
	≥ 401 Beds	1.30 (1.18, 1.44)
Hospital region	West	reference
	Northeast	1.04(0.92, 1.17)
	Midwest	0.74(0.66, 0.83)
	South	0.95(0.87, 1.05)