

Table S1

Hospital Characteristics and Autonomy Scores ($n = 570$)

	Number of hospitals	%	Autonomy score	SD	<i>p</i> value
All hospitals	570	100	2.81	0.23	
Technology status					
High tech	254	44.6	2.82	0.23	0.203
Non high tech	316	55.4	2.80	0.24	
Teaching status					
Nonteaching	290	50.9	2.82	0.23	0.390
Minor teaching	235	41.2	2.78	0.23	
Major teaching	45	7.9	2.83	0.27	
Size					
Small (<100)	58	10.2	2.87	0.26	0.007
Medium (101-250)	256	44.9	2.77	0.25	
Large (>250)	256	44.9	2.83	0.21	

Table S2

Characteristics of Surgical Patients ($n = 1,222,870$)

	Number	%
Inpatient death within 30 days of admission	24,890	2.04
Age (mean; SD)	122,2870	60.61 (17.46)
Male	526,633	43.07
Emergency admissions	476,100	38.95
Surgical categories		
General	519,900	42.51
Orthopedic	634,918	51.92
Vascular	68,052	5.56
Comorbidities		
Congestive heart failure	66,386	5.43
Valvular disease	57,850	4.73
Pulmonary circulation disease	12,453	1.02
Peripheral vascular disease	52,789	4.32
Other neurological disorders	50,207	4.11
Paralysis	16,678	1.36
Chronic pulmonary disease	178,353	14.58
Diabetes without complications	179,808	14.70
Diabetes with chronic complications	39,927	3.27
Hypothyroidism	113,415	9.27
Renal failure	57,222	4.68
Liver disease	27,830	2.28
Peptic ulcer disease with bleeding	827	0.07
Acquired Immunodeficiency Syndrome (AIDS)	1,989	0.16
Lymphoma	5,547	0.45
Metastatic cancer	41,580	3.40
Solid tumor w/o metastasis	14,549	1.19
Rheumatoid arthritis	28,299	2.31
Obesity	100,284	8.20
Weight loss	21,878	1.79
Chronic blood loss anemia	20,428	1.67
Deficiency anemias	160,877	13.16
Alcohol abuse	28,375	2.32
Drug abuse	16,777	1.37
Psychoses	22,477	1.84
Depression	85,279	6.97
Hypertension	585,648	47.89

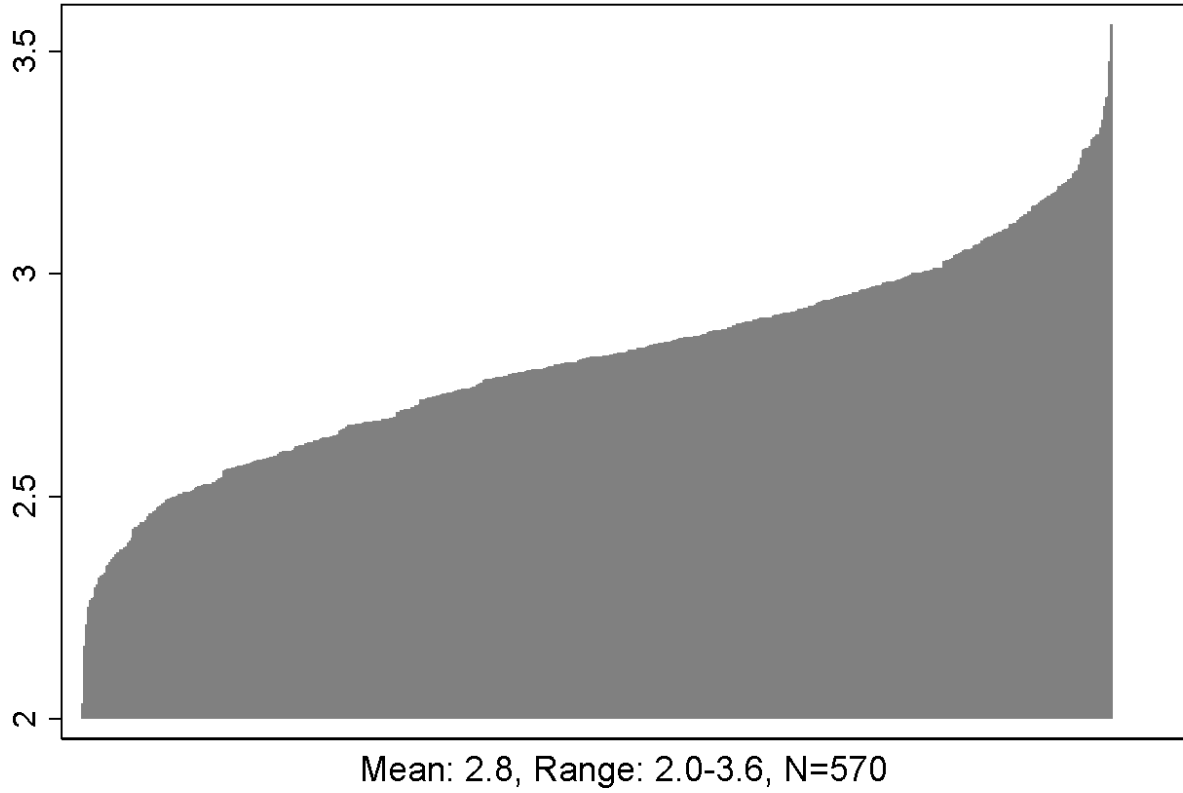
Table S3

Odds Ratio Indicating Effect of Autonomy on 30 Day Mortality and Failure to Rescue

Patient outcome	Bivariate OR (95% CI)	Model including patient characteristics OR (95% CI)	Model including patient and hospital characteristics OR (95% CI)
30 day mortality	0.68 (0.59-0.78)***	0.81 (0.71-0.92)***	0.81 (0.71-0.91)***
Failure to rescue	0.73 (0.63-0.84)***	0.84 (0.74-0.95)**	0.83 (0.74-0.95)**

Note. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Autonomy, by Hospital



Each bar represents one hospital

Figure S1. Distribution of autonomy by hospital.