

Supplementary Table 9. Association of comorbid atrial fibrillation with patient and hospital characteristics in critical illness

Variable	Unadjusted model 1	
	OR (95% CI)	p value
Year, per unit increase	1.08 (1.08–1.09)	< 0.0001
Age, yr		
Per unit increase	1.05 (1.05–1.05)	< 0.0001
45–64 vs. 18–44	3.22(3.08–3.37)	< 0.0001
65–74 vs. 18–44	6.11(5.81–6.41)	< 0.0001
≥ 75 vs. 18–44	9.63(9.15–10.14)	< 0.0001
Race		
Black vs. white	0.60 (0.59–0.62)	< 0.0001
Hispanic vs. white	0.67 (0.65–0.69)	< 0.0001
Others vs. white	0.81 (0.78–0.84)	< 0.0001
Missing vs. white	0.82 (0.77–0.87)	< 0.0001
Insurance		
Medicaid vs. Medicare	0.95 (0.92–0.98)	0.0016
Private vs. Medicare	1.03 (1.01–1.05)	0.0100
Self-pay vs. Medicare	0.95 (0.90–1.00)	0.0579
Others vs. Medicare	0.92 (0.88–0.97)	0.0011
Female sex	0.80 (0.79–0.82)	< 0.0001
Income quartile		
Q2 vs. Q1	1.02 (1.00–1.04)	0.1097
Q3 vs. Q1	1.07 (1.04–1.09)	< 0.0001
Q4 vs. Q1	1.13 (1.10–1.16)	< 0.0001
Hospital bed size		
Medium vs. small	1.03 (0.98–1.08)	0.1982
Large vs. small	1.10 (1.06–1.15)	< 0.0001
Hospital type		
Urban nonteaching vs. rural	1.04 (0.98–1.10)	0.2425
Urban teaching vs. rural	1.10 (1.04–1.17)	0.0013
Hospital region		
Midwest vs. northeast	1.18 (1.12–1.24)	< 0.0001
South vs. northeast	1.05 (1.00–1.10)	0.0314
West vs. northeast	1.13 (1.07–1.18)	< 0.0001
Elective	1.16 (1.12–1.20)	< 0.0001
Major operating room procedure	1.06 (1.04–1.09)	< 0.0001
Long-term anticoagulants	4.57 (4.38–4.77)	< 0.0001
Prior stroke	1.11 (1.08–1.15)	< 0.0001
Coronary artery disease	1.38 (1.36–1.41)	< 0.0001
AIDS	0.68 (0.56–0.82)	0.0001
Alcohol abuse	0.96 (0.94–0.99)	0.0192
Deficiency anemias	1.08 (1.06–1.11)	< 0.0001
Rheumatoid arthritis	1.07 (1.02–1.12)	0.0036

Supplementary Table 9. Continued

Variable	Unadjusted model 1	
	OR (95% CI)	p value
Chronic blood loss anemia	1.09 (1.03–1.15)	0.0047
Congestive heart failure	1.55 (1.52–1.57)	< 0.0001
Chronic pulmonary disease	1.17 (1.15–1.19)	< 0.0001
Coagulopathy	1.24 (1.21–1.27)	< 0.0001
Depression	0.93 (0.90–0.95)	< 0.0001
Diabetes, uncomplicated	1.08 (1.05–1.10)	< 0.0001
Diabetes with chronic complications	0.94 (0.91–0.97)	0.0003
Drug abuse	0.83 (0.78–0.87)	< 0.0001
Hypertension	1.19 (1.17–1.21)	< 0.0001
Hypothyroidism	1.14 (1.11–1.17)	< 0.0001
Liver disease	0.91 (0.88–0.95)	< 0.0001
Lymphoma	0.99 (0.93–1.05)	0.7154
Fluid and electrolyte disorders	1.04 (1.02–1.06)	0.0002
Metastatic cancer	0.96 (0.92–1.00)	0.0512
Other neurological disorders	0.88 (0.86–0.90)	< 0.0001
Obesity	1.25 (1.22–1.27)	< 0.0001
Paralysis	0.94 (0.92–0.97)	0.0001
Peripheral vascular disorders	1.04 (1.02–1.07)	0.0012
Psychoses	0.82 (0.79–0.85)	< 0.0001
Pulmonary circulation disorders	1.26 (1.23–1.30)	< 0.0001
Renal failure	1.01 (0.99–1.04)	0.1780
Solid tumor without metastasis	0.99 (0.95–1.04)	0.7647
Peptic ulcer disease	0.97 (0.72–1.32)	0.8534
Valvular disease	1.61 (1.56–1.66)	< 0.0001
Weight loss	0.97 (0.95–0.99)	0.0007
Renal replacement therapy	1.16 (1.13–1.19)	< 0.0001

Multivariate model: obtained from logistic regression model accounting for survey design and adjusting for year, age, race, insurance, sex, income, hospital region, hospital location/teaching status, hospital bed size, elective, Elixhauser comorbidity index, major operating room procedure, long-term anticoagulant, prior stroke, coronary artery disease, acquired immunodeficiency syndrome, alcohol abuse, deficiency anemias, rheumatoid arthritis, chronic blood loss anemia, congestive heart failure, chronic pulmonary disease, coagulopathy, depression, diabetes, uncomplicated, diabetes with chronic complications, drug abuse, hypertension, hypothyroidism, liver disease, lymphoma, fluid and electrolyte disorders, metastatic cancer, other neurological disorders, obesity, paralysis, peripheral vascular disorders, psychoses, pulmonary circulation disorders, renal failure, solid tumor without metastasis, peptic ulcer disease, valvular disease, weight loss, renal replacement therapy.

OR, odds ratio; CI, confidence interval.