

**Supplementary Table S1.** univariate logistic regression model with odds ratio for 30 days mortality (unmatched and propensity matched cohort)

	Unmatched cohort			Propensity matched cohort		
	Odds ratio	95% CI	p-value	Odds ratio	95% CI	p-value
Days before ICU admission	0.99	0.97 to 1.01	0.29	0.98	0.95 to 1.01	0.26
BMI	1.14	1.03 to 1.27	0.01	1.26	1.05 to 1.50	0.01
Hypertension	0.80	0.40 to 1.60	0.53	0.44	0.16 to 1.20	0.11
Cerebrovascular disease	0.36	0.14 to 0.90	0.03	0.46	0.12 to 1.66	0.23
Metastatic cancer	2.34	0.96 to 5.66	0.06	1.45	0.47 to 4.53	0.52
Chronic kidney disease	0.58	0.29 to 1.48	0.26	0.38	0.09 to 1.64	0.20
Immunosuppressed	3.11	1.34 to 7.21	0.01	4.35	1.23 to 15.44	0.02
HR at ICU admission	1.02	1.01 to 1.04	0.01	1.03	1.07 to 1.06	0.01
RR at ICU admission	1.04	0.99 to 1.10	0.13	1.04	0.97 to 1.12	0.23
pH	0.37	0.02 to 7.51	0.52	0.03	0.00 to 2.37	0.12
HCO <sub>3</sub>	1.01	0.94 to 1.08	0.88	0.91	0.79 to 1.04	0.15
Hb	1.18	0.98 to 1.42	0.09	1.39	1.03 to 1.86	0.03
Lactic acid	1.53	1.05 to 2.22	0.03	1.61	1.06 to 2.44	0.03
PEEP	1.04	0.89 to 1.20	0.64	1.34	1.05 to 1.72	0.02
FiO <sub>2</sub>	1.02	1.00 to 1.03	0.09	1.02	0.99 to 1.05	0.20
Lung injury score	1.35	0.76 to 2.40	0.30	2.24	0.89 to 5.63	0.09
Metformin use	0.60	0.27 to 1.33	0.20	0.57	0.21 to 1.53	0.27
Hypoxemia index						
Mild			Reference			
Moderate	1.14	0.54 to 2.40	0.72	1.08	0.39 to 3.04	0.88
Severe	0.50	0.15 to 1.68	0.26	0.50	0.08 to 3.10	0.46
Tidal volume >400 mL	0.99	0.48 to 2.04	0.97	1.08	0.40 to 2.89	0.88
APACHE II score	1.02	0.98 to 1.07	0.29	1.06	0.99 to 1.12	0.07
SOFA score	1.04	0.95 to 1.15	0.39	1.14	1.00 to 1.31	0.06

CI: confidence interval; BMI: body mass index; HR: heart rate; ICU: intensive care unit; HCO<sub>3</sub>: bicarbonate; Hb: hemoglobin; PEEP: positive end expiratory pressure; FiO<sub>2</sub>: fraction of inspired oxygen; APACHE II score: Acute Physiology and Chronic Health Evaluation II score; SOFA score: Sequential Organ Failure Assessment score.