

Supplementary Table 2: Effect of 1:2 propensity matching on baseline characteristics

	Before Matching			After 1:2 matching		
	COVID-19 (n = 373)	Influenza A (n = 1371)	SMD	COVID-19 (n = 373)	Influenza A (n = 746)	SMD
Age (years)	64.574	61.953	0.194	64.574	63.071	0.111
Male Gender (%)	64.9	57.1	0.163	0.649	0.598	0.107
PaO₂/FiO₂ ratio (mmHg)	26.1037	27.466	-0.093	26.104	26.828	-0.049
APACHE IV	57.756	80.676	-0.988	57.756	65.125	-0.318
Charlson Comorbidity Index	0.298	0.909	-0.764	0.298	0.445	-0.184
Acute Myocardial Infarction (%)	1.6	5.9	-0.342	0.016	0.028	-0.096
Congestive Heart Failure (%)	2.1	9.3	-0.496	0.021	0.042	-0.139
Peripheral Vascular Disease (%)	0.5	2	-0.206	0.005	0.007	-0.018
Cerebral Vascular Disease (%)	5.6	9.1	-0.151	0.056	0.072	-0.070
Dementia (%)	0	0.4	-0.068	0.000	0.000	0.000
Chronic Obstructive Pulmonary Disease (%)	3.2	11.3	-0.458	0.032	0.055	-0.129
Connective tissue disease (%)	0.8	1.6	-0.09	0.008	0.011	-0.030
Peptic Ulcer Disease (%)	2.1	4.1	-0.134	0.021	0.032	-0.074
Diabetes (%)	13.7	24.9	-0.274	0.137	0.180	-0.105
Malignancy (%)	5.4	10	-0.205	0.054	0.063	-0.042
Liver Disease (%)	1.6	8.4	-0.538	0.016	0.024	-0.064
Renal Disease (%)	2.9	9	-0.356	0.029	0.044	-0.087
HIV/AIDS (%)	0.3	0.6	-0.061	0.003	0.005	-0.052
Hemiplegia (%)	0.5	1.5	-0.136	0.005	0.008	-0.037
Bacterial Coinfection (%)	18.8	67.2	-1.24	0.188	0.469	-0.721

Legend: All values are expressed as mean or percentages. APACHE IV, Acute Physiology and Chronic Health Evaluation IV; COPD, Chronic Obstructive Pulmonary Disease; HIV, human immunodeficiency virus; COVID-19, coronavirus disease 2019; SMD, standard mean difference.