

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

	Before Matching			After matching		
	COVID-19 (n = 373)	Influenza A (n = 1371)	SMD	COVID-19 (n = 373)	Influenza A (n = 373)	SMD
<b>Age (years)</b>	64.574	61.953	0.194	64.574	63.697	0.099
<b>Male Gender (%)</b>	64.9	57.1	0.163	64.9	60	0.094
<b>PaO2/FiO2 ratio (mmHg)</b>	26.1037	27.466	-0.093	26.1037	27.598	-0.098
<b>APACHE IV</b>	57.756	80.676	-0.988	57.756	59.198	-0.062
<b>Charlson Comorbidity Index</b>	0.298	0.909	-0.764	0.298	0.338	-0.05
<b>Acute Myocardial Infarction (%)</b>	1.6	5.9	-0.342	1.6	2.1	-0.043
<b>Congestive Heart Failure (%)</b>	2.1	9.3	-0.496	2.1	2.9	-0.056
<b>Peripheral Vascular Disease (%)</b>	0.5	2	-0.206	0.5	0.8	-0.037
<b>Cerebral Vascular Disease (%)</b>	5.6	9.1	-0.151	5.6	7	-0.058
<b>Dementia (%)</b>	0	0.4	-0.068	0	0	0
<b>Chronic Obstructive Pulmonary Disease (%)</b>	3.2	11.3	-0.458	3.2	5.4	-0.122
<b>Connective tissue disease (%)</b>	0.8	1.6	-0.09	0.8	0.8	0
<b>Peptic Ulcer Disease (%)</b>	2.1	4.1	-0.134	2.1	3.2	-0.074
<b>Diabetes (%)</b>	13.7	24.9	-0.274	13.7	15.3	-0.039
<b>Malignancy (%)</b>	5.4	10	-0.205	5.4	4.6	0.036
<b>Liver Disease (%)</b>	1.6	8.4	-0.538	1.6	2.1	-0.043
<b>Renal Disease (%)</b>	2.9	9	-0.356	2.9	4	-0.063
<b>HIV/AIDS (%)</b>	0.3	0.6	-0.061	0.3	0.3	0
<b>Hemiplegia (%)</b>	0.5	1.5	-0.136	0.5	0.3	0.037
<b>Bacterial Coinfection (%)</b>	18.8	67.2	-1.24	18.8	21.7	-0.076

**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.