

**Supplementary Table 1. Baseline characteristics of the study cohorts.**

<b>Clinical variable</b>	<b>COVID-19 (n=325)</b>	<b>Influenza (n=433)</b>	<b>P-value</b>
Age at admission (years)	64 (50-77)	72 (60-84)	<0.0001
Female	158 (48.6)	261 (60.3)	0.001
Race			<0.001
-African American	167 (51.4)	104 (24.0)	
-non-Hispanic white	114 (35.1)	313 (72.3)	
-Hispanic/Other	44 (13.5)	16 (3.7)	
Primary payor			<0.0001
-Medicare	186 (57.2)	331 (76.4)	
-Medicaid	51 (15.7)	49 (11.3)	
-Managed care	66 (20.3)	46 (10.6)	
-Other			
BMI, kg/m <sup>2</sup>	30.5 (25.4-36.1)	28.1 (24.0-33.9)	0.007
Residence on admission			<0.001
-Home	251 (77.2)	381 (88.0)	
-Other	74 (22.8)	52 (12.0)	
Diabetes mellitus	127 (43.9)	143 (35.6)	0.03
Hypertension	156 (54.0)	258 (64.2)	0.007
Heart failure	69 (23.9)	112 (27.9)	0.2
CAD	57 (19.7)	117 (29.1)	0.005
PVD	22 (7.6)	45 (11.2)	0.1
COPD	51 (17.7)	151 (37.6)	<0.0001
Asthma	55 (19.0)	127 (31.6)	0.0002
CKD	67 (23.1)	100 (24.9)	0.6
Comorbidity count			0.002
-0-1	128 (44.3)	132 (32.8)	
-2-3	96 (33.2)	136 (33.8)	
-4+	65 (22.5)	134 (33.3)	
RAAS medications	127 (39.1)	192 (44.3)	0.1
Immunosuppression	38 (11.7)	197 (45.5)	<0.0001
Neutrophil/Lymphocyte ratio, median (IQR)	4.3 (2.7 - 8.1)	7.0 (4.0 - 13.0)	<0.0001

Data are presented as median (IQR) or number (%). BMI, body mass index. CAD, coronary artery disease. PVD, peripheral vascular disease. COPD, chronic obstructive pulmonary disease. CKD, chronic kidney disease. RAAS, renin angiotensin aldosterone system.

**Supplementary Table 2. Hospital characteristics of the study cohort**

<b>Clinical variable</b>	<b>COVID-19 (n=325)</b>	<b>Influenza (n=433)</b>	<b><i>P</i>-value</b>
Nephrology consult	22 (6.8)	14 (3.2)	0.02
ICU admission	141 (43.4)	165 (38.1)	0.1
Vasopressor use	46 (14.2)	41 (9.6)	0.045
Inotrope used	4 (1.2)	3 (0.7)	0.5
Mechanical ventilation	42 (12.9)	28 (6.5)	0.002
In hospital mortality	17 (5.2)	7 (1.6)	0.005
30-day mortality	39 (12.0)	26 (6.0)	0.004
LOS (days)	6.0 (3.0 - 12.0)	4.0 (2.0 - 6.0)	<0.0001

Data are presented as median (IQR) or number (%). ICU, intensive care unit.  
LOS, length of stay.

### **Supplementary Table 3.**

#### Influenza codes

J10.00, J10.0, J09.X9, J11.8, J09.X2, J11, J11.0, J11.1, J09, J09.X, J09.X1, J10.1, J10, J11.2, J10.2, J11.81, J11.89, J10.08, J11.00

Cannot have: B97.89, Z03.818

#### COVID-19 codes

COVID-19 Codes: U07.1, B34.2, B97.29

Cannot have: B97.89, Z03.818