

Table S1. Univariate and multivariate analyses of baseline risk factors for death.

Risk factor	Unadjusted OR (95%CI)	p-value	Adjusted OR (95% CI)	p-value
Age > 65 years old	8.66 (5.26-15.16)	<0.001	5.99 (3.42-11.05)	<0.001
High blood pressure	2.93 (2.01-4.32)	<0.001	1.37 (0.79-2.38)	
Diabetes mellitus	1.57 (1.09-2.26)	0.013	0.92 (0.58-1.41)	
Dyslipidemia	1.82 (1.28-2.57)	<0.001	0.69 (0.44-1.09)	
Tobacco consumption	1.78 (1.19-2.65)	0.004	1.39 (0.87-2.20)	
Active cancer	3.74 (2.11-6.62)	<0.001	2.87 (1.51-5.43)	0.001
Chronic kidney disease	4.45 (2.92-6.79)	<0.001	2.96 (1.79-4.89)	<0.001
Ischemic heart disease	2.20 (1.37-3.49)	<0.001	0.83 (0.45-1.49)	
Chronic heart failure	3.63 (1.93-6.80)	<0.001	1.88 (0.89-3.98)	
Previous antithrombotic drug	3.50 (2.46-4.99)	<0.001	1.67 (1.04-2.67)	0.033
Previous ACEIs/ARBs	1.79 (1.27-2.53)	<0.001	0.97 (0.59-1.56)	
Lymphopenia < 1000/ μ L	2.74 (1.73-4.50)	<0.001	1.34 (0.89-2.05)	
CRP $\geq$ 100 mg/ L (max)	2.90 (1.93-4.48)	<0.001	1.31 (0.86-1.99)	
D-dimer count (max) $\geq$ 1500 μ g/L	5.37 (2.53-13.2)	<0.001	1.43 (0.73-2.88)	

ACEI(s): Angiotensin-converting enzyme inhibitor(s); ARB(s): Angiotensin II receptor blocker(s); CI: Confidence interval; CRP: C-reactive protein; OR: Odds ratio; Bold: significant *p*-values

Table S2. Univariate and multivariate analyses of baseline risk factors for severe pneumonia (death, and/or OTI, and/or NIV, and/or HFNO, and/or oxygen flow of at least 5 L/min).

Risk factor	Unadjusted OR (95%CI)	p-value	Adjusted OR (95% CI)	p-value
Age > 65 years old	1.51 (1.12-2.02)	0.005	1.78 (1.15-2.74)	0.009
Male sex	2.21 (1.66-2.97)	<0.001	1.58 (1.10-2.28)	0.012
High blood pressure	1.71 (1.25-2.29)	<0.001	1.24 (0.75-2.04)	0.383
Diabetes mellitus	1.51 (1.09-2.09)	0.012	1.08 (0.69-1.67)	0.726
Dyslipidemia	1.26 (0.93-1.70)	0.13	0.82 (0.53-1.25)	0.416
Obesity	1.44 (1.05-2.00)	0.024	1.57 (1.02-2.39)	0.036
Active cancer	1.67 (0.93-3.09)	0.09	1.58 (0.79-3.26)	0.199
Previous ACEIs/ARBs	1.54 (1.14-2.09)	0.004	1.07 (0.66-1.72)	0.782
Lymphopenia <1000/ μ L	2.43 (1.75-3.39)	<0.001	1.45 (0.96-2.20)	0.07
CRP $\geq$ 100 mg/L	7.78 (5.58-10.97)	<0.001	4.76 (3.27-6.97)	<0.001
D-dimer count $\geq$ 1500 μ g/L	8.94 (5.20-15.71)	<0.001	4.24 (2.30-7.90)	<0.001
hs-cTnl $\geq$ 100ng/L	3.12 (1.60-6.69)	0.001	1.73 (0.77-4.18)	0.306

ACEI(s): Angiotensin-converting enzyme inhibitor(s); ARB(s): Angiotensin II receptor blocker(s); CI: Confidence interval; CRP: C-reactive protein; OR: Odds ratio; hs-cTnl: High-sensitivity cardiac troponin.