

Table S1. Unadjusted cox proportional hazards regression models of death

	Among cases and controls			Among cases only			Among controls only		
	HR [95% CI]	P	n	HR [95% CI]	P	n	HR [95% CI]	P	n
Case vs. control	1.11 [0.43, 2.89]	0.83	162	---	---	---	---	---	---
Age (per 10 years)	2.41 [1.48, 3.93]	<0.001	162	2.18 [0.91, 5.23]	0.08	41	2.46 [1.37, 4.41]	0.003	121
Male vs. female	1.79 [0.69, 4.67]	0.23	162	0.97 [0.11, 8.32]	0.98	41	2.08 [0.70, 6.21]	0.19	121
Race: Black vs. white	0.58 [0.24, 1.41]	0.23	160	2.29 [0.27, 19.64]	0.45	40	0.37 [0.13, 1.07]	0.07	120
Heart disease: (yes vs. no)	4.39 [1.79, 10.75]	0.001	162	3.76 [0.69, 20.64]	0.13	41	4.51 [1.56, 13.04]	0.01	121
Chronic Kidney disease: (yes vs. no)	2.85 [1.10, 7.42]	0.03	162	1.00 [0.12, 8.57]	1.00	41	4.08 [1.37, 12.18]	0.01	121
sleep Apnea: (yes vs. no)	0.57 [0.17, 1.95]	0.37	162	0.00 [0.00, I]	1.00	41	0.84 [0.24, 3.03]	0.80	121
Cerebrovascular disease: (yes vs. no)	2.82 [1.02, 7.75]	0.05	162	1.22 [0.14, 10.47]	0.86	41	3.83 [1.20, 12.23]	0.02	121
Dementia: (yes vs. no)	3.78 [1.09, 13.03]	0.04	162	0.00 [0.00, I]	0.99	41	5.46 [1.50, 19.84]	0.01	121
A Liver disease: (yes vs. no)	1.39 [0.41, 4.75]	0.60	162	0.00 [0.00, I]	1.00	41	2.85 [0.79, 10.22]	0.11	121
Malignancy: (yes vs. no)	2.28 [0.83, 6.27]	0.11	162	1.07 [0.12, 9.15]	0.95	41	3.04 [0.95, 9.71]	0.06	121
Hypertension: (yes vs. no)	1.65 [0.55, 4.92]	0.37	162	Undefined	1.00	41	1.60 [0.50, 5.11]	0.42	121
diabetes: (yes vs. no)	3.30 [1.20, 9.08]	0.02	162	Undefined	1.00	41	2.21 [0.74, 6.59]	0.16	121
COPD: (yes vs. no)	3.35 [1.34, 8.41]	0.01	162	0.00 [0.00, I]	1.00	41	6.03 [2.12, 17.22]	0.001	121
Asthma: (yes vs. no)	1.20 [0.28, 5.17]	0.81	162	4.74 [0.55, 41.00]	0.16	41	0.69 [0.09, 5.30]	0.72	121
Body mass index (per 5 kg/m ²)	0.95 [0.89, 1.02]	0.14	157	1.00 [0.86, 1.16]	0.98	41	0.94 [0.86, 1.01]	0.11	116
HCQ: (treated vs. not-treated)	1.50 [0.61, 3.66]	0.38	162	13.24 [1.55, 113.41]	0.02	41	0.59 [0.16, 2.11]	0.41	121
IL-6 Inhibitors: (treated vs. not-treated)	0.95 [0.28, 3.25]	0.94	159	2.61 [0.53, 12.95]	0.24	41	0.00 [0.00, I]	0.99	118
Pressors: (treated vs. not-treated)	4.30 [1.26, 14.68]	0.02	130	Undefined	1.00	35	1.30 [0.16, 10.59]	0.81	95
SOFA (per 10)	5.98 [2.34, 15.24]	<0.001	127	23.73 [0.81, 693.75]	0.07	24	5.50 [1.94, 15.60]	0.001	103
hemoglobin (per 1)	0.93 [0.77, 1.13]	0.47	145	0.90 [0.63, 1.28]	0.54	28	0.95 [0.75, 1.19]	0.64	117
Absolute lymphocyte count (per 1)	0.92 [0.85, 0.99]	0.02	144	1.00 [0.90, 1.12]	0.99	28	0.88 [0.79, 0.97]	0.01	116
platelet (per 10)	0.97 [0.92, 1.03]	0.29	145	1.01 [0.86, 1.19]	0.92	28	0.96 [0.90, 1.03]	0.24	117
Albumin (per 1)	1.33 [0.52, 3.44]	0.55	142	1.35 [0.26, 7.09]	0.73	32	1.37 [0.43, 4.41]	0.59	110
Blood urea nitrogen (per 10)	1.17 [1.03, 1.34]	0.01	145	1.31 [1.00, 1.71]	0.05	28	1.16 [0.99, 1.36]	0.06	117
bicarbonate (per 1)	0.96 [0.86, 1.06]	0.40	145	0.89 [0.72, 1.10]	0.27	28	0.98 [0.85, 1.12]	0.73	117
C-reactive protein (per 1)	1.11 [0.98, 1.25]	0.09	146	1.11 [0.90, 1.38]	0.34	29	1.13 [0.97, 1.31]	0.13	117
Serum potassium (per 1)	1.66 [1.01, 2.72]	0.04	145	0.94 [0.31, 2.86]	0.92	28	3.66 [1.57, 8.58]	0.003	117
FERRITIN (per 100)	0.98 [0.93, 1.03]	0.41	135	1.01 [0.95, 1.08]	0.74	30	0.95 [0.88, 1.03]	0.22	105