

Supplemental table 1. Factors associated with mortality after COVID-19.

Variable	Alive (n=1363)	Dead (n=708)	Univariable P value	Multivariable		Wave 1 March –May			Wave 2 June – August			Wave 3 September - December		
				HR (95% CI)	P value	Alive (n=298)	Dead (n=142)	P value	Alive (n=279)	Dead (n=118)	P value	Alive (n=786)	Dead (n=448)	P value
Vasopressor use	559 (39.9)	550 (76.0)	<0.001	2.08 (1.67 – 2.58)	<0.001	146 (49.0)	109 (76.8)	<0.001	103 (36.9)	87 (73.7)	<0.001	289 (36.8)	340 (75.9)	<0.001
Intubated	447 (31.9)	450 (62.2)	<0.001	1.36 (1.12 – 1.65)	0.001	148 (49.7)	95 (66.9)	0.001	72 (25.8)	63 (53.4)	<0.001	210 (26.7)	280 (62.5)	<0.001
NLR >7.45	616 (45.2)	419 (59.2)	<0.001	1.32 (1.14 – 1.54)	0.001	93 (31.2)	70 (49.3)	<0.001	122 (43.7)	64 (54.2)	0.06	401 (51.0)	285 (63.6)	<0.001
Age, mean (SD)	63.5 (15.3)	74.2 (11.6)	<0.001	1.05 (1.04 – 1.06)	<0.001	62.4 (13.7)	74.7 (11.5)	<0.001	61.4 (17.1)	74.3 (11.4)	<0.001	64.8 (15.1)	74.2 (11.3)	<0.001
APACHE III Score	51.9 (23.2)	72.3 (28.6)	<0.001	1.01 (1.01 – 1.02)	<0.001	55.5 (25.5)	73.0 (26.4)	<0.001	49.3 (24.1)	74.0 (29.1)	<0.001	51.4 (21.8)	71.6 (29.1)	<0.001
CKD	485 (34.6)	374 (51.7)	<0.001	-	-	98 (32.9)	74 (52.1)	<0.001	89 (31.9)	70 (59.3)	<0.001	287 (36.5)	223 (49.8)	<0.001
Male gender	821 (58.6)	416 (57.5)	0.61	-	-	179 (60.1)	79 (55.6)	0.38	161 (57.7)	71 (60.2)	0.65	460 (58.5)	259 (57.8)	0.81
White race	797 (57.3)	471 (65.7)	<0.001	-	-	156 (52.9)	88 (62.0)	0.07	134 (48.4)	75 (63.6)	0.006	479 (61.3)	296 (67.1)	0.04
Asthma	332 (23.7)	147 (20.3)	0.08	-	-	71 (23.8)	34 (23.9)	0.98	61 (21.9)	20 (17.0)	0.27	192 (24.4)	91 (20.3)	0.10
Cardiac disease	905 (64.6)	593 (81.9)	<0.001	-	-	180 (60.4)	114 (80.3)	<0.001	173 (62.0)	93 (78.8)	0.001	527 (67.1)	374 (83.5)	<0.001
COPD	459 (32.8)	293 (40.5)	<0.001	-	-	91 (30.5)	55 (38.7)	0.09	90 (32.3)	52 (44.1)	0.03	270 (34.4)	182 (40.6)	0.03
Diabetes	842 (60.1)	445 (61.5)	0.54	-	-	170 (57.1)	83 (58.5)	0.78	158 (56.6)	74 (62.7)	0.26	491 (62.5)	277 (61.8)	0.82
Dialysis	199 (14.2)	131 (18.1)	0.02	-	-	55 (18.5)	31 (21.8)	0.40	37 (13.3)	29 (24.6)	0.006	101 (12.9)	67 (15.0)	0.30
Hypertension	1214 (86.7)	678 (93.7)	<0.001	-	-	255 (85.6)	127 (89.4)	0.26	231 (82.8)	115 (97.5)	<0.001	699 (88.9)	422 (94.2)	0.002
Liver disease	303 (21.6)	173 (23.9)	0.24	-	-	64 (21.5)	31 (21.8)	0.93	66 (23.7)	25 (21.2)	0.59	163 (20.7)	108 (24.1)	0.17

All variables except age and APACHE III are reported as a number, (%). Age and APACHE III are reported as mean (SD).