

Supplementary material

REACT COVID group:

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Supplementary tables

Parameter	Units	LLN	ULN
ALT	units/L	10	40
AST	units/L	15	41
Bilirubin	umol/L	0	20
Creatinine	mmol/L	80	115
CRP	mg/L	0	50
D-dimer	NA	0	243
Eosinophils	10E9/L	0	0.5
Ferritin	ng/L	23.9	336

Glucose	mmol/L	3	7
Haemoglobin	g/L	130	170
Lactate dehydrogenase	units/L	225	425
Neutrophils	10E9/L	2	7.5
Platelets	10E9/L	150	400
Potassium	mmol/L	3.5	5.3
Sodium	mmol/L	133	146
Urea	mmol/L	2.5	7.8
White blood cells	10E9/L	4	11

Table S1: Normal ranges defined for laboratory tests

Parameter	Adjusted p-value	p-value	OR (95% CI)	Deaths, N	Discharges, N	Total, N
ALT	1	0.236	1.004 (0.997 - 1.011)	113	170	283
AST	1	0.186	1.006 (0.997 - 1.015)	37	71	108
BILIRUBIN	0.8143	0.048	1.05 (1.001 - 1.101)	121	175	296
CREATININE	1	0.352	1.001 (0.999 - 1.003)	126	182	308
CRP	0.108	0.005	1.005 (1.001 - 1.008)	126	178	304
CRP:LYMPHOCYTES	0.011*	0.001	1.003 (1.001 - 1.005)	126 (41)	178 (59)	304
D_DIMER	1	0.197	1.0 (1.0 - 1.001)	63	96	159
EOSINOPHILS	1	0.807	1.289 (0.169 - 9.85)	126	181	307
FERRITIN	1	0.109	1.0 (1.0 - 1.001)	81	136	217
GLUCOSE	1	0.410	1.035 (0.954 - 1.122)	115	170	285
HB	1	0.162	0.991 (0.978 - 1.004)	126	182	308
LDH	1	0.069	1.001 (1.0 - 1.002)	70	123	193

Parameter	Adjusted p-value	p-value	OR (95% CI)	Deaths, N	Discharges, N	Total, N
LYMPHOCYTES	1	0.127	0.719 (0.47 - 1.099)	126	182	308
NEUTROPHILS	0.4698	0.026	1.076 (1.009 - 1.147)	126	182	308
NLR	0.0189*	0.001	1.074 (1.03 - 1.121)	126	182	308
PLATELETS	1	0.310	1.001 (0.999 - 1.004)	126	181	307
POTASSIUM	1	0.158	1.495 (0.856 - 2.611)	116	176	292
SODIUM	1	0.543	1.015 (0.968 - 1.064)	126	182	308
TRIGYCERIN	1	0.644	1.116 (0.701 - 1.774)	40	73	113
TROPONIN	1	0.325	1.0 (1.0 - 1.001)	80	132	212
UREA	0.1406	0.007	1.064 (1.017 - 1.114)	126	182	308
WBC	1	0.302	1.027 (0.976 - 1.081)	126	182	308

*significance based on adjusted pvalue: * when pvalue<0.05, **when pvalue<0.01, when pvalue<0.001.

Table S2: Prognostic biochemical values at admission

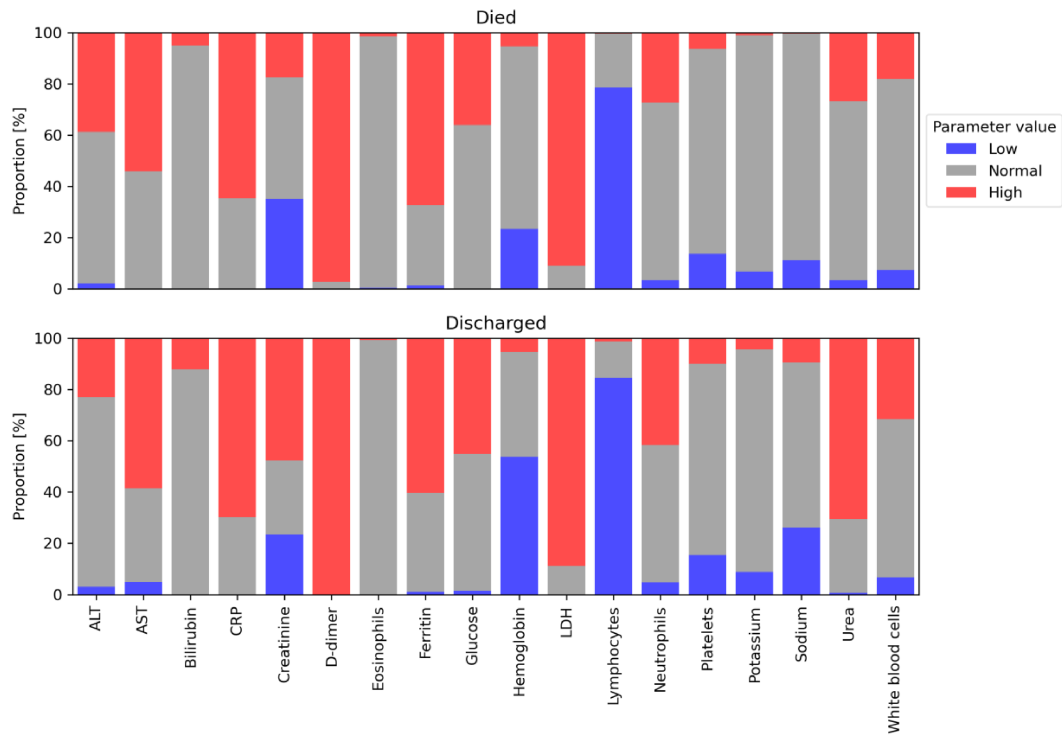


Figure S1: Abnormal laboratory results at admission. Based on first available value for each parameter, within 1 day after admission. Values were categorised as low/normal/high based on thresholds listed in Table S1. Not available: missing values, or no applicable thresholds.

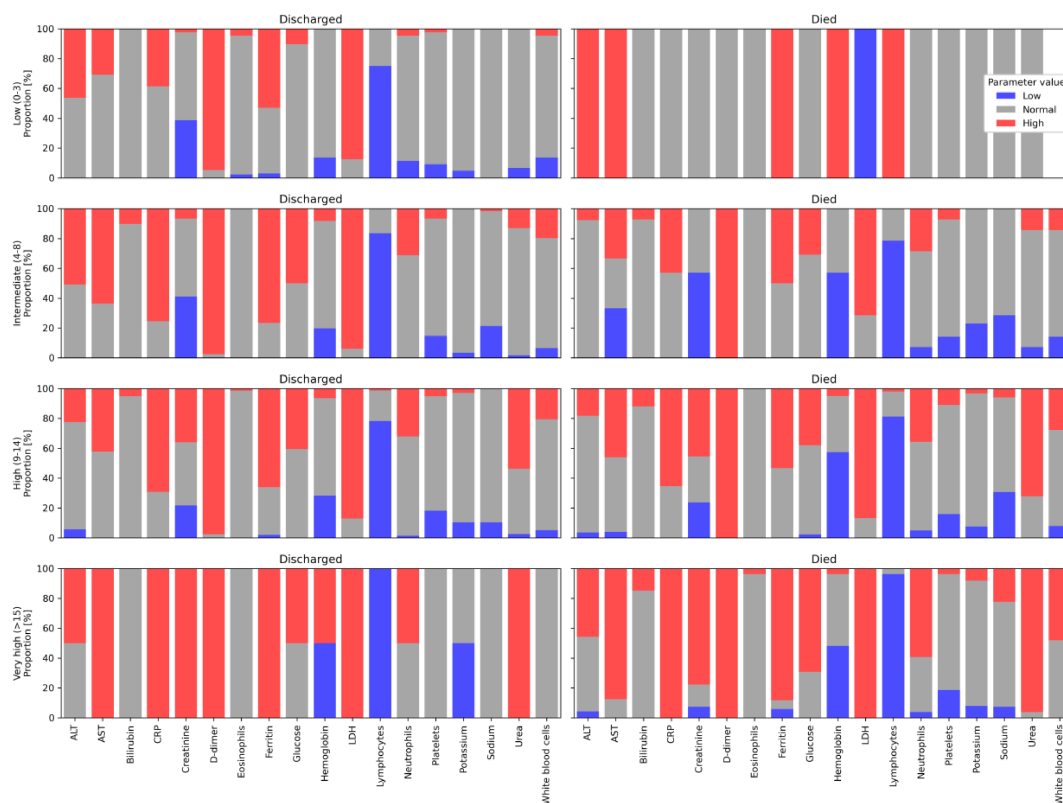


Figure S2: First laboratory results according to final outcome and risk group. Based on first available value for each parameter, within 1 day after admission. Values were categorised as low/normal/high based on thresholds listed in Table S1. Not available: missing values, or no applicable thresholds. Weighted risk scores were calculated as described in Methods. Patients were grouped based on weighted risk scores at admission: low (0-3), intermediate (4-8), high (9-14), very high (>14). Risk scores at admission could not be calculated for some patients due to one or more missing features (“Not Available” group).