

Table S1. Number and proportion of missing variables.

Column	Missing count	Missing percent	Column	Missing count	Missing percent
Sex	0	0.000	Sodium	34	0.175
Age	0	0.000	BUN	29	0.149
Race	0	0.000	WBC	38	0.196
Marital status	0	0.000	RBC	38	0.196
LOS	0	0.000	SO ₂	10,663	54.902
Heart rate	20	0.103	Alveolar-arterial oxygen gradient	7139	36.757
SBP	21	0.108	MCH	40	0.206
DBP	21	0.108	MCHC	40	0.206
MBP	20	0.103	MCV	38	0.196
Breath rate	29	0.149	RDW	45	0.232
Temperature	961	4.948	Creatinine	23	0.118
SpO ₂	24	0.124	Albumin	10,507	54.098
Glucose	44	0.227	Globulin	19,176	98.733
SAPSII	0	0.000	Total protein	18,978	97.714
SOFA	0	0.000	Total bilirubin	8023	41.309
APSI	0	0.000	Creatine kinase	12,620	64.978
Anion gap	69	0.355	Lactate dehydrogenase	12,307	63.366
Bicarbonate	30	0.154	Congestive heart failure	0	0.000
Chloride	30	0.154	Peripheral vascular disease	0	0.000
Haematocrit	31	0.160	Chronic pulmonary disease	0	0.000
Haemoglobin	39	0.201	Renal disease	0	0.000
Lactate	4949	25.481	Malignant cancer	0	0.000
Platelets	40	0.206	Invasive ventilation	0	0.000
Potassium	47	0.242	Dialysis	0	0.000
PTT	1113	5.731	Vasopression	0	0.000
INR	1045	5.380	Antibiotics	0	0.000
PT	1045	5.380			

APS III: Acute Physiology and Chronic Health Evaluation III; BUN: blood urea nitrogen; DBP: diastolic blood pressure; INR: International Normalized Ratio; LOS: length of stay; MBP: mean blood pressure; MCH: mean corpuscular haemoglobin; MCHC: mean corpuscular haemoglobin concentration; MCV: mean corpuscular volume; PT: prothrombin time; PTT: partial thromboplastin time; RBC: red blood cell; RDW: red cell volume distribution width; SAPS II: Simplified Acute Physiology Score II; SBP: systolic blood pressure; SOFA: Sequential Organ Failure Assessment; WBC: white blood cell