

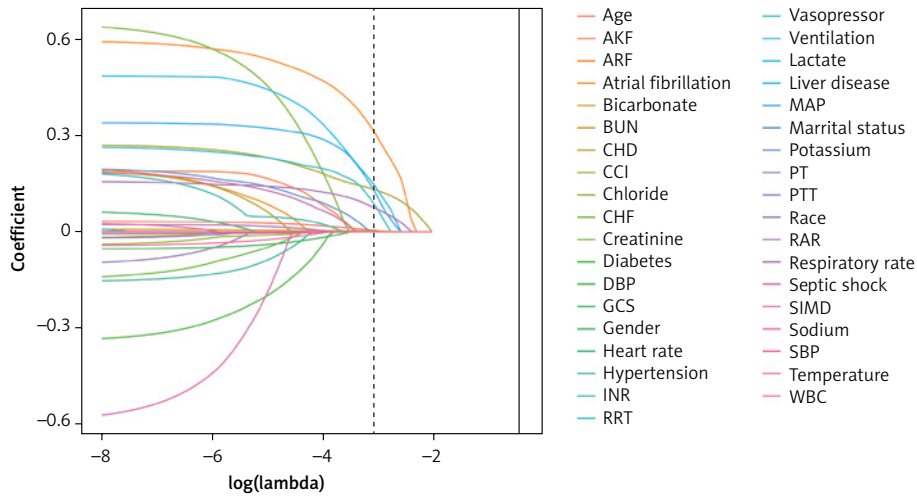
Supplementary Table SI. The sensitivity analysis of the population before and after deletion

Variables	After deletion (n = 1475)	Before deletion (n = 1856)	P-value
Age [year] mean \pm SD	64.47 \pm 16.44	65.55 \pm 16.44	0.061
Gender, n (%):			0.822
Female	634 (42.98)	805 (43.37)	
Male	841 (57.02)	1051 (56.63)	
Marital status, n (%):			0.806
Married	681 (46.17)	849 (45.74)	
Other (divorce, separated, single, widowed, unknown)	794 (53.83)	1007 (54.26)	
Race, n (%):			0.804
White	415 (28.14)	515 (27.75)	
Other (American Indian, Asian, Black, Hispanic or Latino, Multi-Race Ethnicity, Other Race, unknown)	1060 (71.86)	1341 (72.25)	
DBP [mm Hg] mean \pm SD	60.00 \pm 17.91	60.37 \pm 17.99	0.554
SBP [mm Hg] mean \pm SD	112.33 \pm 25.06	113.07 \pm 24.83	0.394
MAP [mm Hg] mean \pm SD	74.59 \pm 19.70	75.11 \pm 19.49	0.448
Heart rate [times/min] mean \pm SD	97.42 \pm 21.86	97.77 \pm 29.28	0.696
Respiratory rate [breaths/min] M (Q ₁ , Q ₃)	21.00 (17.00, 25.00)	21.00 (17.00, 25.00)	0.743
Temperature [°C] mean \pm SD	36.62 \pm 2.35	36.65 \pm 2.17	0.688
WBC [K/ μ l] M (Q ₁ , Q ₃)	13.10 (8.00, 19.50)	13.10 (8.00, 19.50)	0.923
BUN [mg/dl] M (Q ₁ , Q ₃)	33.00 (20.00, 54.00)	32.00 (19.00, 52.00)	0.200
Bilirubin [mmol/l] M (Q ₁ , Q ₃)	1.00 (0.50, 2.90)	1.00 (0.50, 2.80)	0.487
Creatinine [mg/dl] M (Q ₁ , Q ₃)	1.50 (1.00, 2.70)	1.50 (0.90, 2.60)	0.254
Haemoglobin [g/dl] mean \pm SD	10.32 \pm 1.99	10.30 \pm 1.97	0.750
Lactate [mmol/l] M (Q ₁ , Q ₃)	232.16 \pm 600.14	207.19 \pm 556.86	0.223
Sodium [mEq/l] mean \pm SD	138.13 \pm 6.06	138.25 \pm 6.29	0.568
Potassium [mEq/l] mean \pm SD	4.15 \pm 0.81	4.13 \pm 0.79	0.359
Bicarbonate [mEq/l] mean \pm SD	20.40 \pm 5.39	20.61 \pm 5.30	0.266
Chloride [mEq/l] mean \pm SD	106.01 \pm 7.52	106.10 \pm 7.76	0.730
INR, M (Q ₁ , Q ₃)	1.50 (1.30, 2.00)	1.50 (1.30, 1.90)	0.343
PT [s] M (Q ₁ , Q ₃)	16.40 (14.30, 19.70)	16.20 (14.20, 19.40)	0.365
PTT [s] M (Q ₁ , Q ₃)	35.80 (30.40, 46.00)	35.60 (30.30, 45.00)	0.395
Use of RRT, n (%):			0.195
No	1310 (88.81)	1674 (90.19)	
Yes	165 (11.19)	182 (9.81)	
Use of vasopressor, n (%):			0.052
No	559 (37.90)	765 (41.22)	
Yes	916 (62.10)	1091 (58.78)	
Use of mechanical ventilation, n (%):			0.013
No	517 (35.05)	728 (39.22)	
Yes	958 (64.95)	1128 (60.78)	
GCS, mean \pm SD	13.48 \pm 2.86	13.41 \pm 2.86	0.496
SOFA, mean \pm SD	8.23 \pm 3.78	7.73 \pm 3.73	<0.001
SAPSII, mean \pm SD	48.72 \pm 15.99	47.69 \pm 15.66	0.062
CCI, M (Q ₁ , Q ₃)	3.00 (1.00, 5.00)	3.00 (1.00, 5.00)	0.807
Diabetes, n (%):			0.639
No	1011 (68.54)	1258 (67.78)	
Yes	464 (31.46)	598 (32.22)	

Supplementary Table S1. Cont.

Variables	After deletion (n = 1475)	Before deletion (n = 1856)	P-value
CHF, n (%):			0.840
No	961 (65.15)	1203 (64.82)	
Yes	514 (34.85)	653 (35.18)	
Liver disease, n (%):			0.125
No	1002 (67.93)	1321 (71.17)	
Mild	281 (19.05)	322 (17.35)	
Severe	192 (13.02)	213 (11.48)	
Septic shock, n (%):			0.089
No	662 (44.88)	888 (47.84)	
Yes	813 (55.12)	968 (52.16)	
Atrial fibrillation, n (%):			0.908
No	1043 (70.71)	1309 (70.53)	
Yes	432 (29.29)	547 (29.47)	
Hypertension, n (%):			0.384
No	705 (47.80)	859 (46.28)	
Yes	770 (52.20)	997 (53.72)	
CHD, n (%):			0.693
No	1284 (87.05)	1607 (86.58)	
Yes	191 (12.95)	249 (13.42)	
AKF, n (%):			0.163
No	506 (34.31)	680 (36.64)	
Yes	969 (65.69)	1176 (63.36)	
ARF, n (%):			0.162
No	723 (49.02)	955 (51.45)	
Yes	752 (50.98)	901 (48.55)	
SIMD, n (%):			0.687
No	1451 (98.37)	1829 (98.55)	
Yes	24 (1.63)	27 (1.45)	
RAR, mean \pm SD	6.48 \pm 2.04	6.42 \pm 2.04	0.404

SBP – systolic blood pressure, DBP – diastolic blood pressure, MAP – mean arterial pressure, WBC – white blood cell count, BUN – blood urea nitrogen, INR – international normalized ratio, PT – prothrombin time, PTT – partial thromboplastin time, RRT – renal replacement therapy, GCS – Glasgow coma scale, SOFA – sequential organ failure assessment, SAPS II – simplified acute physiology score II, CCI – Charlson comorbidity index, CHF – congestive heart failure, CHD – coronary heart disease, AKF – acute kidney failure, ARF – acute respiratory failure, SIMD – sepsis-induced myocardial dysfunction, RAR – red blood cell distribution width-albumin ratio, SD – standard deviation.



Supplementary Figure S1. The selection of predictors by LASSO regression analysis

LASSO – least absolute shrinkage and selection operator, AKF – acute kidney failure, ARF – acute respiratory failure, BUN – blood urea nitrogen, CHD – coronary heart disease, CCI – Charlson comorbidity index, CHF – congestive heart failure, DBP – diastolic blood pressure, GCS – Glasgow coma scale, INR – international normalised ratio, RRT – renal replacement therapy, MAP – mean arterial pressure, PT – prothrombin time, PTT – partial thromboplastin time, RAR – red blood cell distribution width-albumin ratio, SIMD – sepsis-induced myocardial dysfunction, SBP – systolic blood pressure, WBC – white blood cell count.