

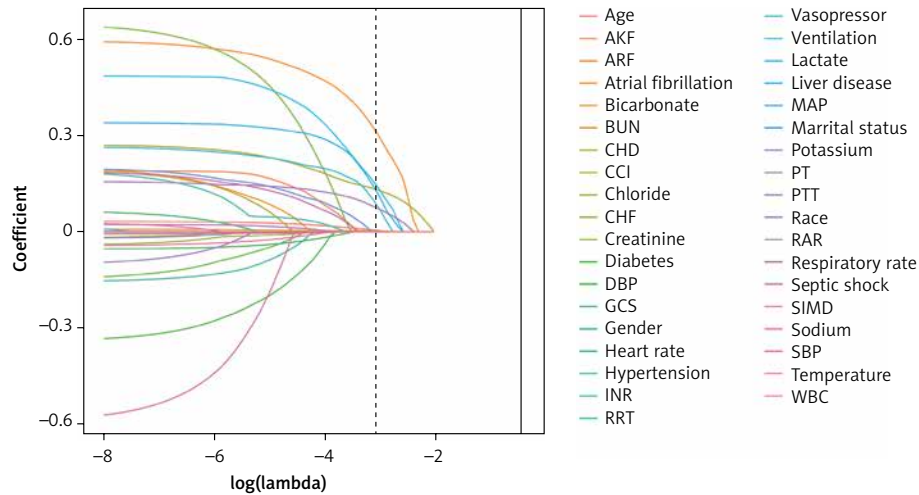
Supplementary Table SI. The sensitivity analysis of the population before and after deletion

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.