

**Supplementary Table 2.** Comparisons by vasopressor requirement in the validation cohort

Variable	Vasopressor use (n = 256, 44.5%)	No vasopressor use (n = 319, 55.5%)	P-value
Age (yr)	67 (58.5–75.0)	63 (54.0–71.0)	< 0.003
Male sex	164 (64.1)	154 (48.3)	< 0.001
Comorbidity			
Hypertension	103 (40.2)	75 (23.5)	< 0.001
Diabetes	85 (33.2)	67 (21.0)	0.001
Cardiac disease	56 (21.9)	43 (13.5)	0.008
Cerebrovascular disease	32 (12.5)	20 (6.3)	0.010
Chronic lung disease	27 (10.5)	26 (8.2)	0.324
Chronic liver disease	34 (13.3)	23 (7.2)	0.015
Solid cancer	143 (55.9)	198 (62.1)	0.132
Suspected infection source			0.272
Respiratory infection	52 (20.3)	71 (22.3)	0.966
Intraabdominal infection	71 (27.7)	76 (23.8)	0.831
Urinary tract infection	43 (16.8)	41 (12.9)	0.136
Other or unknown	90 (35.2)	131 (41.1)	0.102
Blood culture-positive	76 (29.7)	33 (10.3)	< 0.001
Vital sign at the time of hypotension			
Systolic pressure (mmHg)	81 (75–85)	85 (81–87)	< 0.001
Diastolic pressure (mmHg)	50 (44–54)	53 (49–58)	< 0.001
Respiratory rate (/min)	20 (18–24)	18 (18–20)	0.001
Heart rate (/min)	104 (89–120)	96 (84–111)	< 0.001
Vital sign after fluid challenge			
Systolic pressure (mmHg)	92 (83–102)	95 (89–105)	0.001
Diastolic pressure (mmHg)	52 (45–59)	57 (52–64)	< 0.001
Respiratory rate (/min)	20 (18–23)	18 (17–21)	0.001
Heart rate (/min)	100 (89–115)	94 (83–109)	0.001
Diastolic shock index			
At the time of hypotension (n = 537)	2.1 (1.8–2.4)	1.8 (1.5–2.1)	< 0.001
After fluid challenge (n = 450)	2.0 (1.6–2.3)	1.6 (1.4–1.9)	< 0.001
Lactate (mmol/L) (n = 561)	2.8 (1.8–5.0)	1.9 (1.3–2.7)	< 0.001
SOFA score on the 1st day	8.0 (6.0–11.0)	3.0 (2.0–5.0)	< 0.001
Mechanical ventilation	52 (20.3)	5 (1.6)	< 0.001
Intensive care unit admission	121 (47.3)	22 (6.9)	< 0.001
28-Day mortality	48 (18.8)	20 (6.3)	< 0.001

Values are presented as median (interquartile range) or number (%).

SOFA, Sequential Organ Failure Assessment.