

Supplementary Table 1. Comparisons by vasopressor requirement in the derivation cohort

Variable	Vasopressor use (n = 620, 46.2%)	No vasopressor use (n = 722, 53.8%)	P-value
Age (yr)	67 (59–76)	63 (53–72)	< 0.001
Male sex	366 (59.0)	368 (51.0)	0.003
Comorbidity			
Hypertension	220 (35.5)	183 (25.3)	< 0.001
Diabetes	167 (26.9)	140 (19.4)	0.001
Cardiac disease	118 (19.0)	116 (16.1)	0.153
Cerebrovascular disease	76 (12.3)	69 (9.6)	0.112
Chronic lung disease	56 (9.0)	61 (8.4)	0.706
Chronic liver disease	67 (10.8)	68 (9.4)	0.399
Solid cancer	316 (51.0)	384 (53.2)	0.417
Suspected infection source			0.012
Respiratory infection	115 (18.5)	154 (21.3)	< 0.001
Intraabdominal infection	145 (23.4)	212 (29.4)	< 0.001
Urinary tract infection	90 (14.5)	97 (13.4)	< 0.001
Other or unknown	270 (43.5)	259 (35.9)	< 0.001
Blood culture-positive	225 (36.3)	108 (15.0)	< 0.001
Vital sign at the time of hypotension			
Systolic pressure (mmHg)	81 (74–85)	85 (82–88)	< 0.001
Diastolic pressure (mmHg)	49 (43–54)	53 (49–57)	< 0.001
Respiratory rate (/min)	20 (18–23)	18 (18–20)	< 0.001
Heart rate (/min)	109 (93–125)	96 (82–111)	< 0.001
Vital sign after fluid challenge			
Systolic pressure (mmHg)	89 (80–102)	96 (89–105)	< 0.001
Diastolic pressure (mmHg)	51 (44–57)	57 (52–64)	< 0.001
Respiratory rate (/min)	20 (18–25)	19 (17–21)	< 0.001
Heart rate (/min)	104 (91–118)	92 (81–104)	< 0.001
Diastolic shock index			
At the time of hypotension (n = 1,231)	2.2 (1.8–2.6)	1.8 (1.5–2.1)	< 0.001
After fluid challenge (n = 1,081)	2.0 (1.7–2.4)	1.6 (1.4–1.9)	< 0.001
Lactate (mmol/L) (n = 1,304)	3.2 (2.0–4.9)	1.8 (1.3–2.6)	< 0.001
SOFA score on the 1st day	8.0 (7.0–11.0)	3.0 (2.0–5.0)	< 0.001
Mechanical ventilation	131 (21.1)	15 (2.1)	< 0.001
Intensive care unit admission	296 (47.7)	30 (4.2)	< 0.001
28-Day mortality	115 (18.5)	54 (7.5)	< 0.001

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

SOFA, Sequential Organ Failure Assessment.