Supplemental Table S3. Patient characteristics in the validation cohort

Variables	Overall n=15,302	Barthel index ≥70 at discharge n=10,810	Barthel index <70 or in-hospital death n=4,492	P value
Age	70.6 (12.9)	68.4 (12.4)	75.9 (12.4)	<0.001
Age ≥75, n (%)	6,620 (43.3)	3,793 (35.1)	2,827 (62.9)	<0.001
Male, n (%)	9,651 (63.1)	7,053 (65.2)	2,598 (57.8)	<0.001
SOFA score on admission	3 (1-5)	3 (1-5)	5 (3-7)	<0.001
Mechanical ventilation, n (%)	5,255 (34.3)	3,078 (28.5)	2,177 (48.5)	<0.001
Duration (days)	3 (1-12)	2 (1-5)	11 (3-28)	<0.001
Blood purification, n (%)	1,624 (10.6)	707 (6.5)	917 (20.4)	<0.001
Duration (days)	9 (4-21)	7 (3-20)	11 (5-22)	<0.001
Extracorporeal membrane oxygenation	136 (0.9)	57 (0.5)	79 (1.8)	<0.001
Duration (days)	1 (1-3)	1 (1-2)	1 (1-4)	0.15
Basic diseases on admission				
Sepsis n (%)	1,533 (10.0)	785 (7.3)	748 (16.7)	<0.001
Cardiac failure, n (%)	3,558 (23.3)	2,718 (25.1)	840 (18.7)	<0.001
Renal failure, n (%)	312 (2.0)	134 (1.2)	178 (4.0)	<0.001
Respiratory failure, n (%)	938 (6.1)	372 (3.4)	566 (12.6)	<0.001
Stroke, n (%)	880 (5.8)	239 (2.2)	641 (14.3)	<0.001
Endocrine and metabolic disorder, n (%)	207 (1.4)	117 (1.1)	90 (2.0)	<0.001
Trauma, n (%)	796 (5.2)	330 (3.1)	466 (10.4)	<0.001
Post-scheduled operation, n (%)	6,949 (45.4)	6,330 (58.6)	619 (13.8)	<0.001
Mortality, n (%)	1,061 (6.9)	0 (0.0)	1,061 (23.6)	<0.001
Day on which patients died, days	13 (4-14)		13 (4-14)	
Length of ICU stay, days	3 (1-6)	2 (1-4)	5 (2-13)	<0.001
Length of hospital stay, days	30 (22-46)	28 (21-40)	38 (25-62)	<0.001
Barthel index at hospital discharge	100 (75-100)	100 (100-100)	20 (0-50)	<0.001
Laboratory findings on day 1				
CRP (mg/dl)	5.4 (2.6-9.3)	5.2 (2.6-8.5)	6.6 (2.8-13.7)	<0.001
Albumin (g/dl)	2.9 (0.6)	3.0 (0.5)	2.7 (0.6)	<0.001
Lymphocytes (/μl)	898 (604-1264)	943 (647-1305)	769 (506-1140)	<0.001
Laboratory findings on day 14				
CRP (mg/dl)	1.8 (0.6-4.9)	1.4 (0.5-3.8)	3.2 (1.0-7.6)	<0.001

Albumin (g/dl)	2.9 (0.6)	3.1 (0.5)	2.5 (0.6)	<0.001
Lymphocytes (/µl)	1206 (870-1617)	1282 (960-1691)	1007 (684-1400)	<0.001

Abbreviations: SOFA, sequential organ failure assessment; ICU, intensive care unit; CRP, C-reactive protein