

Supplementary Table. Subgroup analysis of the association between NAR and 90-day mortality.

	N	NAR stratification			P for interaction
		< 23.47	23.54 - 27.86	> 27.86	
Vital signs					
Heart rate, beats/min					0.2793
≤ 87	236	1.0	1.99 (1.16, 3.38) ^a	2.89 (1.74, 4.80) ^c	
> 87	237	1.0	1.15 (0.71, 1.84)	1.40 (0.88, 2.24)	
SBP, mmHg					0.3579
≤ 104	235	1.0	1.71 (1.03, 2.84) ^a	1.81 (1.10, 2.98) ^a	
> 104	237	1.0	1.32 (0.80, 2.17)	2.08 (1.26, 3.43) ^b	
DBP, mmHg					0.4170
≤ 58	236	1.0	1.84 (1.11, 3.04) ^a	2.54 (1.57, 4.12) ^c	
> 58	236	1.0	1.33 (0.80, 2.21)	1.50 (0.91, 2.49)	
MBP, mmHg					0.1870
≤ 73	236	1.0	1.29 (0.79, 2.09)	1.61 (1.02, 2.53) ^a	
> 73	237	1.0	1.98 (1.16, 3.38) ^a	2.47 (1.46, 4.18) ^c	
Respiratory rate, beats/minute					0.8981
≤ 19	236	1.0	1.55 (0.93, 2.59)	1.95 (1.19, 3.20) ^b	
> 19	237	1.0	1.58 (0.97, 2.58)	2.10 (1.30, 3.40) ^b	
Temperature, °C					0.1493
≤ 36.7	231	1.0	1.35 (0.84, 2.18)	1.68 (1.05, 2.69) ^a	
> 36.7	232	1.0	1.73 (1.01, 2.97) ^a	2.57 (1.51, 4.37) ^c	
SPO ₂ , %					0.7774
≤ 97	236	1.0	1.31 (0.81, 2.10)	1.71 (1.07, 2.73) ^a	
> 97	237	1.0	1.93 (1.13, 3.31) ^a	2.60 (1.54, 4.36) ^c	
Laboratory parameters					
Anion gap, mmol/l					0.7581
≤ 13	199	1.0	1.75 (0.94, 3.25)	1.52 (0.83, 2.79)	
> 13	276	1.0	1.44 (0.94, 2.22)	2.44 (1.60, 3.70) ^c	
Bicarbonate, mmol/l					0.9570
≤ 18	206	1.0	1.48 (0.88, 2.49)	1.98 (1.20, 3.25) ^b	
> 19	269	1.0	1.50 (0.91, 2.46)	1.85 (1.14, 3.00) ^a	
Serum sodium, mmol/l					0.0270
≤ 134	192	1.0	1.11 (0.66, 1.88)	1.23 (0.74, 2.03)	
> 134	283	1.0	2.01 (1.24, 3.27) ^b	2.90 (1.81, 4.67) ^c	
Serum potassium, mmol/l					0.3218
≤ 3.6	211	1.0	1.71 (0.94, 3.11)	1.94 (1.08, 3.46) ^a	
> 3.6	264	1.0	1.44 (0.93, 2.24)	2.24 (1.45, 3.45) ^c	
Serum chloride, mmol/l					0.0702
≤ 100	206	1.0	1.59 (0.97, 2.61)	1.44 (0.86, 2.39)	

> 100	269	1.0	1.50 (0.91, 2.48)	2.56 (1.59, 4.12) ^c	
Serum bilirubin, $\mu\text{mol/L}$					0.0343
≤ 0.5	192	1.0	1.91 (1.07, 3.42) ^a	2.87 (1.63, 5.05) ^c	
> 0.5	239	1.0	1.46 (0.89, 2.37)	1.75 (1.08, 2.84) ^a	
Serum glucose, mg/dl					0.7638
≤ 112	233	1.0	1.48 (0.90, 2.43)	1.59 (0.98, 2.60)	
> 112	242	1.0	1.48 (0.88, 2.48)	2.25 (1.36, 3.72) ^b	
SCr, mg/dl					0.5793
≤ 1.2	236	1.0	1.85 (1.04, 3.31) ^a	2.14 (1.20, 3.80) ^b	
> 1.2	239	1.0	1.45 (0.92, 2.28)	1.87 (1.22, 2.86) ^b	
BUN, mg/dl					0.5891
≤ 28	235	1.0	1.88 (1.07, 3.30) ^a	1.78 (1.01, 3.16) ^a	
> 28	240	1.0	1.42 (0.89, 2.28)	2.15 (1.38, 3.33) ^c	
Hematocrit, %					0.2874
≤ 30	233	1.0	1.93 (1.09, 3.41) ^a	1.95 (1.13, 3.39) ^a	
> 30	242	1.0	1.26 (0.80, 2.00)	2.78 (1.73, 4.47) ^c	
Hemoglobin, g/dl					0.1307
≤ 10	233	1.0	1.81 (1.03, 3.21) ^a	1.96 (1.14, 3.38) ^a	
> 10	242	1.0	1.40 (0.88, 2.23)	2.90 (1.78, 4.71) ^c	
Platelet count, $10^9/l$					0.2390
≤ 188	235	1.0	1.96 (1.20, 3.20) ^b	2.22 (1.37, 3.60) ^b	
> 188	240	1.0	1.14 (0.68, 1.89)	1.77 (1.10, 2.87) ^a	
WBC count, $10^9/l$					0.8677
≤ 10.7	234	1.0	1.31 (0.79, 2.15)	1.80 (1.12, 2.90) ^a	
> 10.7	241	1.0	1.80 (1.06, 3.04) ^a	2.23 (1.33, 3.75) ^b	
PTT, s					0.9137
≤ 31.5	231	1.0	2.00 (1.19, 3.35) ^b	2.03 (1.16, 3.56) ^a	
> 31.5	238	1.0	1.10 (0.67, 1.80)	1.62 (1.04, 2.53) ^a	
PT, s					0.3765
≤ 14.2	229	1.0	1.94 (1.11, 3.38) ^a	2.93 (1.67, 5.14) ^c	
> 14.2	235	1.0	1.11 (0.69, 1.78)	1.30 (0.84, 2.03)	
INR					0.5209
≤ 1.2	199	1.0	1.88 (1.03, 3.42) ^a	2.58 (1.39, 4.81) ^b	
> 1.2	265	1.0	1.24 (0.79, 1.95)	1.56 (1.02, 2.39) ^a	
Comorbidities					
CHD					0.4651
no	216	1.0	1.20 (0.71, 2.02)	1.68 (1.03, 2.73) ^a	
yes	259	1.0	1.87 (1.15, 3.01) ^a	2.14 (1.31, 3.50) ^b	
CHF					0.8517
no	298	1.0	1.59 (1.02, 2.46) ^a	2.04 (1.33, 3.13) ^b	

yes	177	1.0	1.33 (0.74, 2.41)	1.81 (1.00, 3.28) ^a	
AF					0.3994
no	275	1.0	1.21 (0.74, 1.99)	1.93 (1.22, 3.04) ^b	
yes	200	1.0	1.87 (1.13, 3.10) ^a	2.08 (1.25, 3.47) ^b	
Stroke					0.0742
no	454	1.0	1.44 (1.01, 2.05) ^a	1.85 (1.31, 2.61) ^c	
yes	21	1.0	NA	NA	
Pneumonia					0.7460
no	312	1.0	1.47 (0.96, 2.27)	2.15 (1.43, 3.24) ^c	
yes	163	1.0	1.58 (0.85, 2.94)	1.88 (0.99, 3.55)	
Respiratory failure					0.0102
no	240	1.0	1.73 (1.02, 2.95) ^a	3.14 (1.89, 5.20) ^c	
yes	235	1.0	1.22 (0.76, 1.94)	1.19 (0.75, 1.90)	
Chronic liver disease					0.3705
no	453	1.0	1.49 (1.04, 2.14) ^a	1.98 (1.40, 2.81) ^c	
yes	22	1.0	0.50 (0.09, 2.75)	3.26 (0.66, 16.14)	
Chronic renal disease					0.4300
no	375	1.0	1.69 (1.11, 2.57) ^a	2.22 (1.47, 3.36) ^c	
yes	100	1.0	1.17 (0.60, 2.26)	1.47 (0.80, 2.73)	
RRT					0.0044
no	402	1.0	1.42 (0.96, 2.11)	2.29 (1.58, 3.32) ^c	
yes	73	1.0	0.87 (0.36, 2.09)	0.45 (0.18, 1.11)	
Malignancy					0.3513
no	421	1.0	1.53 (1.05, 2.25) ^a	2.15 (1.48, 3.12) ^c	
yes	54	1.0	1.58 (0.59, 4.26)	1.08 (0.41, 2.85)	
Vasoactive drug					0.3256
no	110	1.0	0.83 (0.35, 1.96)	1.78 (0.87, 3.64)	
yes	365	1.0	1.63 (1.10, 2.42) ^a	2.02 (1.36, 2.98) ^c	
Score systems					
SOFA					0.2866
≤ 6	216	1.0	1.66 (0.94, 2.96)	2.47 (1.37, 4.46) ^b	
> 7	259	1.0	1.26 (0.80, 1.99)	1.46 (0.95, 2.24)	
SAPSII					0.1969
≤ 46	231	1.0	1.56 (0.86, 2.82)	3.01 (1.67, 5.42) ^c	
> 46	244	1.0	1.49 (0.95, 2.34)	1.41 (0.92, 2.15)	

NAR: neutrophil-albumin ratio; SBP: systolic blood pressure; DBP: diastolic blood pressure; MBP: mean blood pressure; SPO2: percutaneous oxygen saturation; BUN: blood urea nitrogen; SCr: Serum creatinine; WBC: white blood cell; PTT: partial thromboplastin time; PT: prothrombin time; INR: international normalized ratio; CAD: coronary heart disease; CHF: congestive heart failure; AF: atrial fibrillation; COPD: chronic obstructive pulmonary disease; ARDS: acute respiratory distress syndrome; RRT: renal replacement therapy; SOFA: Sequential Organ Failure Assessment;

SAPSII: Simplified Acute Physiology Score II.

P-value: ^a $P < 0.05$, ^b $P < 0.01$, ^c $P < 0.001$