

**Table S3** Subgroup analysis of the associations between first-day RPR and mortality

Subgroups	ORs (95% CI)				p for interaction
	RPR < 0.055	RPR 0.055-0.069	RPR 0.069-0.089	RPR > 0.089	
First-day GCS					<0.001***
3-8	1	1.14 (0.72-1.81)	1.05 (0.67-1.66)	2.41 (1.56-3.72)	
9-15	1	0.75 (0.45-1.27)	0.81 (0.49-1.35)	1.63 (1.04-2.56)	
Neurosurgical Operations					0.202
Yes	1	0.59 (0.26-1.34)	1.16 (0.56-2.42)	1.96 (0.99-3.87)	
No	1	1.06 (0.72-1.55)	0.90 (0.62-1.32)	1.98 (1.39-2.81)	
ASHD					0.233
Yes	1	0.43 (0.10-1.86)	1.09 (0.30-3.90)	0.67 (0.18-2.51)	
No	1	0.92 (0.65-1.31)	0.89 (0.63-1.26)	2.02 (1.46-2.78)	
COPD					0.294
Yes	1	U.C.	U.C.	1.22 (0.07-22.28)	
No	1	0.92 (0.65-1.30)	0.94 (0.67-1.32)	1.95 (1.42-2.66)	
HBP					0.351
Yes	1	3.10 (0.89-10.85)	2.10 (0.61-7.21)	6.26 (1.78-22.05)	
No	1	0.83 (0.58-1.19)	0.89 (0.63-1.27)	1.78 (1.29-2.45)	
Stroke					0.505
Yes	1	2.74 (0.54-13.81)	1.65 (0.30-9.18)	12.32 (2.06-73.59)	
No	1	0.87 (0.62-1.24)	0.92 (0.65-1.30)	1.85 (1.35-2.53)	
Hematopathy/Coagulopathy					0.025*
Yes	1	U.C.	U.C.	U.C.	
No	1	0.89 (0.63-1.26)	0.88 (0.62-1.24)	1.80 (1.31-2.46)	
CNS infection					0.603
Yes	1	U.C.	U.C.	U.C.	
No	1	0.91 (0.64-1.27)	0.92 (0.66-1.29)	1.93 (1.42-2.64)	
Pneumonia					0.059
Yes	1	0.82 (0.30-2.23)	1.05 (0.42-2.67)	1.25 (0.50-3.12)	
No	1	0.91 (0.63-1.31)	0.89 (0.62-1.28)	2.09 (1.50-2.92)	

Confounders adjustment were performed as in Model 3. Multivariable logistic regression models were used to calculate ORs with 95% CI.

\*\*\* $p < 0.001$ , \* $p < 0.05$

Abbreviations: *ASHD* arteriosclerotic heart disease; *CI* Confidence Interval; *CNS* central nervous system; *COPD* chronic obstructive pulmonary disease; *GCS* Glasgow Coma Scale; *HBP* high blood pressure; *OR* Odds Ratio; *RPR* red cell distribution width to platelet count ratio; *U.C.* unable to calculate