

Additional file 5. DeLong's test, pairwise comparison of AUC for sepsis for models with specific cut-offs.

Compared with:	NEWS2¹ ≥5	NEWS2 ≥7	RETTS² ≥orange	RETTS red	Clinical Judgment	Predict Sepsis tool 1³ ≥2	Predict Sepsis tool 2³ ≥2	Predict Sepsis tool 3³ ≥2
NEWS2 ≥5	X							
NEWS2 ≥7	0.622	X						
RETTS ≥orange	0.222	0.107	X					
RETTS red	<0.001	<0.001	0.016	X				
Clinical Judgment	0.003	0.001	0.026	0.933	X			
Predict Sepsis tool 1 ≥2	0.698	0.486	0.449	0.003	0.004	X		
Predict Sepsis tool 2 ≥2	0.885	0.860	0.196	<0.001	0.001	0.182	X	
Predict Sepsis tool 3 ≥2	0.325	0.228	0.642	0.004	0.011	0.622	0.274	X

NEWS2=National Early Warning score 2, RETTS= Rapid Emergency Triage and Treatment System.

P-values derived from DeLong's test are presented in the table. Bold numbers of P-values indicate a significant difference between the AUC values (for models with specific cut-offs) with respect to outcome sepsis.

References:

- 1) Royal College of Physicians. National Early Warning Score (NEWS) 2- Standardising the assessment of acute-illness severity in the NHS, Updated report of a working party December 2017.
- 2) Widgren BR, Jourak M. Medical Emergency Triage and Treatment System (METTS): a new protocol in primary triage and secondary priority decision in emergency medicine. The Journal of emergency medicine. 2011.
- 3) Wallgren UM, Sjölin J, Jämbert-Pettersson H, Kurland L. The predictive value of variables measurable in the ambulance and the development of the Predict Sepsis screening tools: a prospective cohort study. Scandinavian journal of trauma, resuscitation and emergency medicine. 2020.