

Table S1: scoring systems

## Rapid Emergency Medicine Score (REMS) [41]

REMS	Score						
Variables	0	+1	+2	+3	+4	+5	+6
Age(years)	<45		45–54	55–64		65–74	>74
Mean arterial pressure (mmHg)	70–109		110–129 50–69	130–159	>159 ≤49		
Heart rate (bpm)	70–109		110–139 55–69	140–179 40–54	>179 ≤39		
Respiratory rate (breaths/min)	12–24	25–34 10–11	6–9	35–49	>49 ≤5		
O2 saturation (%)	>89	86–89		75–85	<75		
Glasgow Coma Scale	14 or 15	11–13	8–10	5–7	3 or 4		

quick Sepsis-related Organ Failure Assessment (qSOFA) score [41]

qSOFA	Point
Respiratory Rate >22	1
Systolic Blood Pressure <100	1
Glasgow Coma Scale <14	1

Mortality in emergency department sepsis (MEDS) score [42-44]

MEDS score	Points
1. Terminal illness with possible death in 1 month	6
2. Hypoxia or tachypnea	3
3. Shock from sepsis	3
4. Platelet count below 150,000	3
5. Granulocytic bands >5% of white blood cells	3
6. Patient older than 65 years old	3
7. Lower respiratory infection	2
8. Patient is from a nursing home	2
9. Mental status is altered	2

Worthing Physiological Score (WPS) [51]

Score	0	1	2	3
Respiratory rate	≤19	20-21	≥22	
Pulse rate	<101	≥102		
Systolic blood pressure	≥100		≤99	
Temperature	≥35.3			<35.3
O2 saturation in air	96 to 100	94 to <96	92 to <94	<92
AVPU	Alert			Other