

SUPPLEMENTARY FILE 3

Adjusted Odds Ratios (AORs) for the association between In-hospital mortality and vital signs by different age groups in a subgroup analyses: suspected infection.

Case definition: Patients with suspected infection were selected if blood cultures were obtained in the ED, and if patients were hospitalized.

	Total cohort	18-65	66-80	>80
Systolic blood pressure (mmHg)				
>140*	1.00			
121-140	1.01 (0.79-1.28)	.97 (0.53-1.77)	1.08 (0.75-1.54)	0.96 (0.65-1.41)
101-120	1.56 (1.24-1.96)	1.74 (1.02-2.98)	1.63 (1.15-2.33)	1.41 (0.96-2.06)
81-100	1.85 (1.42-2.40)	1.39 (0.74-2.63)	2.49 (1.68-3.68)	1.64 (1.05-2.57)
0-80	2.58 (1.88-3.56)	3.55 (1.82-6.93)	2.62 (1.55-4.42)	2.08 (1.17-3.69)
Diastolic blood pressure (mmHg)				
>120*	1.00			
101-120	0.60 (0.36-1.03)	1.21 (0.40-3.60)	0.50 (0.23-1.10)	0.40 (0.15-1.09)
81-100	0.68 (0.43-1.08)	0.68 (0.25-1.91)	0.54 (0.28-1.04)	0.89 (0.39-2.00)
61-80	0.64 (0.41-1.01)	0.91 (0.33-2.49)	0.50 (0.26-0.96)	0.71 (0.32-1.59)
0-60	1.00 (0.64-1.58)	1.59 (0.57-4.44)	0.91 (0.47-1.76)	0.89 (0.40-2.00)
Mean Arterial blood pressure (mmHg)				
>120*	1.00			
101-120	0.86 (0.63-1.18)	1.02 (0.48-2.16)	0.79 (0.49-1.26)	0.85 (0.50-1.45)
81-100	0.89 (0.66-1.19)	1.12 (0.56-2.27)	0.71 (0.45-1.11)	0.98 (0.60-1.62)
61-80	1.22 (0.90-1.67)	1.33 (0.64-2.77)	1.35 (0.86-2.14)	1.07 (0.63-1.83)
0-60	2.22 (1.52-3.23)	3.23(1.38-7.58)	2.34 (1.31-4.17)	1.75 (0.92-3.33)
Peripheral oxygen saturation (%)				
96-100*	1.00			
91-95	1.09 (0.91-1.31)	1.15 (0.76-1.75)	1.08 (0.82-1.42)	1.01 (0.74-1.36)
86-90	1.37 (1.04-1.81)	1.55 (0.79-3.05)	1.43 (0.96-2.12)	1.18 (0.72-1.94)
81-85	2.01 (1.32-3.07)	1.10 (0.38-3.22)	2.40 (1.26-4.59)	2.09 (1.03-4.24)
0-80	3.24 (2.13-4.86)	2.80 (1.21-6.45)	3.78 (2.02-7.09)	2.58 (1.25-5.35)
Respiratory rate (/min)				
Not measured*	1.00			
0-9	#	#	#	#
10-19	1.08 (0.78-1.49)	1.19 (0.61-2.33)	0.95 (0.59-1.54)	1.11 (0.60-2.05)
20-29	1.66 (1.20-2.27)	2.20 (1.13-4.31)	1.48 (0.93-2.34)	1.52 (0.84-2.76)
>30	2.45 (1.70-3.51)	3.86 (1.73-8.60)	2.61 (1.54-4.43)	1.88 (0.98-3.62)
Heart rate (beats/min)				
>125	2.63 (1.88-3.68)	4.03 (1.88-8.66)	1.70 (0.99-2.93)	2.99 (1.70-5.26)
101-125	1.78 (1.34-2.37)	1.59 (0.76-3.33)	1.68 (1.09-2.60)	2.05 (1.29-3.28)
76-100	1.33 (1.01-1.74)	1.55 (0.76-3.14)	1.13 (0.75-1.72)	1.57 (1.02-2.43)
51-75*	1.00			
0-50	1.64 (0.89-2.99)	3.52 (0.83-15.0)	1.12 (0.40-3.17)	2.12 (0.84-5.31)
Temperature (°C)				
Not measured*	1.00			
≥40	0.41 (0.23-0.75)	0.35 (0.10-1.25)	0.35 (0.13-0.95)	0.53 (0.20-1.38)
38-39	0.52 (0.39-0.68)	0.59 (0.31-1.11)	0.54 (0.36-0.80)	0.41 (0.26-0.65)
35-37	1.14 (0.88-1.48)	1.50 (0.82-2.72)	1.01 (0.69-1.49)	1.09 (0.70-1.71)
31-34	2.59 (1.50-4.46)	5.97 (2.18-16.4)	1.28 (0.47-3.51)	2.41 (0.95-6.15)
0-30	0.70 (0.08-6.26)	#	#	#

*= reference category

No outcome events for this category