

Appendix

eTable 1. Association of qSOFA and baseline characteristics with in-ICU mortality among medical and surgical patients with infection, treating qSOFA as a dichotomous variable				
	Medical, OR (95% CI)	<i>p</i>-value	Surgical, OR (95% CI)	<i>p</i>-value
Univariate				
qSOFA ≥ 2	2.22 (1.12 - 4.40)	0.023	1.51 (1.02 - 2.22)	0.38
Age (per 10 years)	0.92 (0.77 - 1.10)	0.34	1.23 (1.16 - 1.43)	<0.001
Male	0.73 (0.42 - 1.26)	0.26	0.55 (0.39 - 0.80)	0.001
HIV-positive	1.78 (1.03 - 3.09)	0.039	1.10 (0.72 - 1.66)	0.67
Adjusted				
qSOFA ≥ 2	2.09 (1.04 - 4.17)	0.037	1.43 (0.96 - 2.11)	0.08
Age (per 10 years)	0.96 (0.79 - 1.15)	0.64	1.26 (1.13 - 1.41)	<0.001
Male	0.81 (0.47 - 1.42)	0.47	0.63 (0.43 - 0.92)	0.016
HIV-positive	1.63 (0.92 - 2.88)	0.10	1.09 (0.71 - 1.68)	0.69
OR = odds ratio; CI = confidence interval; qSOFA = quick Sequential Organ Failure Assessment.				

eTable 2. Discrimination of qSOFA score and baseline risk model for in-ICU mortality among medical and surgical patients with infection, treating qSOFA as a dichotomous variable		
	Medical, AUROC (95% CI)	Surgical, AUROC (95% CI)
qSOFA alone	0.57 (0.52 - 0.63)	0.55 (0.50 - 0.59)
Baseline model	0.59 (0.51 - 0.67)	0.64 (0.59 - 0.69)
qSOFA + baseline model	0.63 (0.55 - 0.71)	0.65 (0.60 - 0.70)
	LR test χ^2 (<i>p</i>-value)	
Addition of qSOFA to baseline model	4.75 (0.029)	3.23 (0.07)
AUROC = area under the receiver operating characteristic curve; CI = confidence interval; qSOFA = quick Sequential Organ Failure Assessment; LR = likelihood ratio.		

eTable 3. Association of qSOFA and baseline characteristics with in-ICU mortality among medical and surgical patients with infection as primary ICU admission diagnosis				
	Medical, OR (95% CI)	<i>p</i>-value	Surgical, OR (95% CI)	<i>p</i>-value
Univariate				
qSOFA (ref: 0 - 1)				
qSOFA = 2	1.94 (0.72 - 5.23)	0.19	0.46 (0.21 - 1.01)	0.053
qSOFA = 3	2.55 (0.94 - 6.90)	0.65	2.05 (1.02 - 4.12)	0.045
Age (per 10 years)	0.98 (0.77 - 1.23)	0.84	1.30 (1.08 - 1.56)	0.006
Male sex	0.92 (0.45 - 1.86)	0.81	0.48 (0.25 - 0.94)	0.032
HIV-positive	1.60 (0.79 - 3.24)	0.19	1.32 (0.71 - 2.45)	0.38
Adjusted				
qSOFA (ref: 0 - 1)				
qSOFA = 2	1.85 (0.68- 5.04)	0.23	0.44 (0.20 - 0.98)	0.044
qSOFA = 3	2.42 (0.86 - 6.59)	0.085	2.03 (0.98 - 4.23)	0.057
Age (per 10 years)	1.02 (0.79 - 1.31)	0.88	1.37 (1.12 - 1.69)	0.003
Male sex	0.94 (0.46 - 1.94)	0.87	0.48 (0.24 - 0.96)	0.038
HIV positive	1.52 (0.71 - 3.25)	0.29	1.51 (0.74 - 3.06)	0.26
OR = odds ratio; CI = confidence interval; qSOFA = quick Sequential Organ Failure Assessment.)				

eTable 4. Discrimination of qSOFA score and baseline risk model for in-ICU mortality among medical and surgical patients with infection as primary ICU admission diagnosis

	Medical, AUROC (95% CI)	Surgical, AUROC (95 % CI)	Medical v. surgical, <i>p</i>-value
qSOFA alone	0.59 (0.50 - 0.68)	0.66 (0.58 - 0.73)	0.27
Baseline model	0.56 (0.46 - 0.66)	0.67 (0.59 - 0.74)	0.11
qSOFA + baseline model	0.61 (0.51 - 0.71)	0.72 (0.66 - 0.79)	0.07
	<i>p</i>-value		-
Addition of qSOFA to baseline model	0.20	0.0006	-
AUROC = area under the receiver operating characteristic curve; CI = confidence interval; qSOFA = quick Sequential Organ Failure Assessment. *Baseline model includes age, sex, and HIV status.			