

Additional file 3

Sepsis recognition in the emergency department - impact on quality of care and outcome?

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Univariate and multivariate regression analysis for impact on missing sepsis diagnoses

Variable	Univariate		Multivariate	
	OR (95% CI)	P-value	OR (95% CI)	P-value
Systolic blood pressure (per 10mmHg)	1.45 (1.09-1.93)	0.012	1.62 (1.14-2.30)	0.007
Ability to stand	5.94 (1.65-21.41)	0.006	18.46 (2.67-127.81)	0.003
Number of undocumented vital signs	1.66 (0.95-2.91)	0.075	3.88 (1.22-12.30)	0.021
MEWS	0.72 (0.54-0.97)	0.028	0.73 (0.47-1.14)	0.337
MAP	1.05 (1.01-1.10)	0.045	0.928 (0.82-1.05)	0.226

Odds ratios (OR), 95% confidence intervals (CI), and p-values were calculated using logistic regression analysis (backward wald method). Variables were selected a priori based on theoretical considerations and existing literature. Those statistically significant at the 10% level in the univariate analysis were included in the multivariate model. Two-sided p values < 0.05 were considered statistically significant in the multivariate model. MEWS, Modified Early Warning Score. MAP, Mean Arterial Pressure.