

Appendices

Appendix 1 – Patient characteristics

<i>Patient characteristics</i>	<i>Critical illness <72h</i>	<i>No critical illness <72h</i>	<i>P value</i>
Number of patients. n (%)	113 (14.1)	677 (84.6)	
Age. median (IQR)	69.0 (57.5 – 76.0)	66.0 (51.0 – 77.0)	0.240
Male. n (%)	72 (63.7)	365 (53.9)	0.052
Pre-hospital notification. n (%)	98 (86.7)	468 (69.1)	0.001
General practitioner at scene or left handover. n (%)	50 (44.2)	335 (49.5)	0.564
Residence. n (%)			0.558
Independent	106 (93.8)	614 (90.7)	
Nursing home	5 (4.4)	44 (6.5)	
Rehabilitation	2 (1.8)	19 (2.8)	
Primary assessment at. n (%)			<0.001
General ED	44 (38.9)	408 (60.3)	
Resuscitation bay	13 (11.5)	17 (2.5)	
Trauma bay	29 (25.7)	63 (9.3)	
Brain care unit	14 (12.4)	92 (13.6)	
Coronary care unit	13 (11.5)	97 (14.3)	
Initial admission from ED. n (%)			
Ward. CCU or BCU	41 (42.3)	239 (35.3)	
Direct ICU/HCU	43 (38.1)	0 (0)	
Operation room	13 (11.5)	0 (0)	
Other hospital, ward unknown	10 (8.8)	38 (5.6)	
Passed away in ED	2 (1.8)	0 (0)	
No initial admission	5 (4.4)	398 (58.8)	
Length of hospital stay. median (IQR)	6.5 (1.4 – 13.4)	3.5 (1.3 – 8.3)	0.007
Diagnostic category final diagnosis, n (%)			
Trauma, fractures, and dislocations	19 (16.8)	159 (23.5)	
Seizures	1 (0.9)	24 (3.5)	
Stroke	19 (16.8)	61 (9.0)	
Other neurology	1 (0.9)	35 (5.2)	
Toxicology	4 (3.5)	18 (2.7)	
Psychiatry and psychology	-	16 (2.4)	
Pneumonia/respiratory infections	9 (8.0)	56 (8.3)	
COPD	-	4 (0.6)	
Acute myocardial infarction	13 (11.5)	-	
Congestive heart failure	2 (1.8)	17 (2.5)	
Arrhythmias	-	24 (3.5)	
Pulmonary embolism	-	9 (1.3)	
Other cardiac conditions	6 (5.3)	13 (1.9)	
Bowel obstructions and diseases	1 (0.9)	25 (3.7)	
Gastrointestinal bleeding	2 (1.8)	5 (0.7)	
Aortic dissection	-	-	
Sepsis	28 (24.8)	-	
Urinary tract infection	-	16 (2.4)	
All other infections	1 (0.9)	20 (3.0)	
Pancreatic and liver	-	13 (1.9)	
Renal conditions	-	8 (1.2)	
	1 (0.9)	17 (2.5)	

Metabolic.endocrine, electrolytes	-	1 (0.1)
Rheumatology	1 (0.9)	21 (3.1)
Hematology and oncology	-	38 (5.6)
Chest pain	-	2 (0.3)
Attempted suicide	-	70 (10.3)
Miscellaneous conditions	5 (4.4)	5 (0.7)
Missing		

Table 1 Patient characteristics

Abbreviations: IQR, inter quartile range; ED, Emergency Department; CCU, coronary care unit; BCU, brain care unit; ICU, intensive care unit; HCU, high care unit; OR, operating room.

Appendix 2 – Modified Early Warning Score

Score	3	2	1	0	1	2	3
Breathing frequency		<9		10-14	15-20	21-30	>30
Saturation (with therapy)		<90					
Pulse		<40	40-50	51-100	101-110	111-130	>130
Systolic blood pressure	<70	70-80	81-100	101-200		>200	
Temperature		<35,1	35,1-36,5	36,6-37,5	>37,5		
Consciousness				A	V	P	U
Urine production							

Table 2 MEWS Score

Abbreviations: A, Alert; V, Verbal; P, Pain; U, Unresponsive

Appendix 3 Sample Size calculation

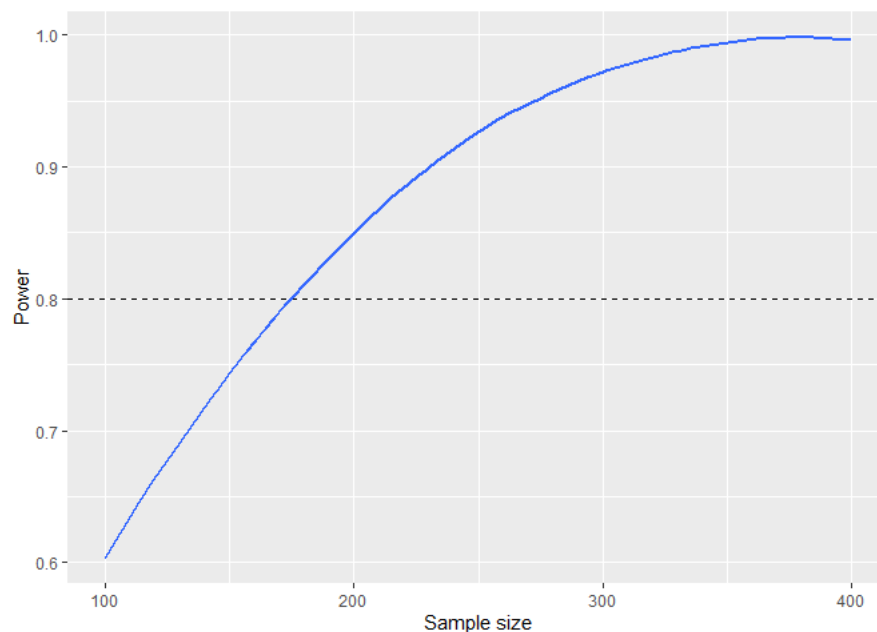


Figure 1, sample size calculation.