

Table S15 Point prevalence study – characteristics, outcomes and length of stay of sedated and non-sedated patients with validated Case Mix Programme data (n=50 units)

	<b>Sedated (n=230)</b>	<b>Non-sedated (n=286)</b>
<b>Characteristic<sup>a</sup></b>		
Age, <i>mean (SD)</i>	59.3 (16.3)	63.6 (14.8)
Gender, <i>n (%)</i>		
Female	100 (43.5)	124 (43.4)
Male	130 (56.5)	162 (56.6)
Ethnicity, <i>n (%)</i> :		
White	214 (94.7)	261 (93.9)
Black or Black British	4 (1.8)	8 (2.9)
Asian or Asian British	6 (2.7)	5 (1.8)
Mixed	2 (0.9)	0 (0.0)
Other ethnic group	0 (0.0)	4 (1.4)
Severe co-morbidities, <i>n (%)</i> :		
Liver co-morbidity	10 (4.3)	3 (1.0)
Renal co-morbidity	3 (1.3)	2 (0.7)
Respiratory co-morbidity	5 (2.2)	7 (2.4)
Cardiovascular co-morbidity	2 (0.9)	5 (1.7)
Haematological malignancy	3 (1.3)	4 (1.4)
Metastatic disease	6 (2.6)	6 (2.1)
Immunosuppression	22 (9.5)	28 (9.8)
Surgical status, <i>n (%)</i> :		
Elective/scheduled	24 (10.4)	46 (16.1)
Emergency/urgent	44 (19.1)	38 (13.3)
Non-surgical	162 (70.4)	202 (70.6)
Primary/secondary reason for admission, <i>n (%)</i> :		
Admissions following trauma	31 (13.5)	31 (10.8)
Admissions with neurological condition	25 (10.9)	21 (7.5)
ICNARC Physiology Score, <i>mean (SD)</i>	22.7 (8.7)	18.1 (8.3)
ICNARC model (2013 recalibration) predicted risk of death, <i>median (IQR)</i>	0.30 (0.12, 0.52)	0.20 (0.05, 0.38)
APACHE II Acute Physiology Score, <i>mean (SD)</i>	13.6 (5.5)	12.7 (5.5)
APACHE II Score, <i>mean (SD)</i>	17.7 (6.2)	17.2 (6.0)
APACHE II (2013 recalibration) predicted risk of death, <i>median (IQR)</i>	0.23 (0.12, 0.41)	0.20 (0.09, 0.35)
Mechanical ventilation – 1 <sup>st</sup> 24 hours, <i>n (%)</i>	181 (78.4)	125 (43.7)
Time (days) since admission to critical care, <i>mean (SD)</i>	6.9 (9.5)	10.6 (15.5)
<b>Outcome<sup>b</sup> and length of stay<sup>c</sup></b>		
Deaths – critical care, <i>n (%)</i>	58 (25.2)	22 (7.7)
Deaths – acute hospital <sup>d</sup> , <i>n (%)</i>	74 (33.6)	47 (17.8)
LOS (days) – critical care, <i>mean (SD)</i>		
Survivors	17.6 (16.4)	17.1 (21.5)
Non-survivors	17.0 (18.6)	16.0 (16.9)
LOS (days) – critical care, <i>median (IQR)</i>		
Survivors	12.7 (5.8, 25.3)	8.0 (3.4, 21.2)
Non-survivors	10.4 (6.1, 23.5)	10.6 (1.8, 25.4)
LOS (days) – acute hospital, <i>mean (SD)</i>		
Survivors	43.7 (35.2)	41.0 (46.5)
Non-survivors	24.9 (22.8)	40.5 (42.2)
LOS (days) – acute hospital, <i>median (IQR)</i>		
Survivors	33 (16, 62)	24 (11, 59)
Non-survivors	19 (9, 32)	27 (9, 58)

SD: standard deviation; ICNARC: Intensive Care National Audit & Research Centre; IQR: interquartile range; APACHE: Acute Physiology And Chronic Health Evaluation; LOS: length of stay

- <sup>a</sup> Case mix was assessed by: age; sex; ethnicity; severe co-morbidities; surgical status; primary/secondary reason for unit admission; acute severity of illness; and time since admission to the critical care unit
- <sup>b</sup> Outcome was assessed by mortality at unit and acute hospital discharge
- <sup>c</sup> Length of stay was assessed both in the unit and for the total stay in an acute hospital and was stratified by outcome
- <sup>d</sup> Acute hospital outcomes missing for 32 patients (10 sedated, 22 non-sedated) at the point of data lock