

Supplemental Digital Content 2

sTable 1

Characteristics of National Health Service intensive care units included in this study

| NHS Trust | University College London Hospitals | Guy's and St Thomas' | Cambridge University Hospitals | Imperial College Healthcare | Overall |
|--|--|-----------------------------|---------------------------------------|------------------------------------|----------------|
| Start date of contribution | February 2014 | February 2014 | August 2015 | February 2014 | February 2014 |
| End date of contribution | April 2018 | July 2017 | April 2018 | January 2017 | December 2018 |
| Number of admissions while unit was submitting satisfactory data | 8,289 | 13,326 | 4,667 | 2,504 | 28,786 |
| Number of admissions included in study | 8,246 | 13,139 | 4,594 | 2,477 | 28,456 |
| Number of patients included in study | 7,070 | 11,023 | 4,152 | 2,294 | 24,539 |
| N (%) of ICU admissions by admission category | | | | | |
| Elective surgical | 3,176 (38.5%) | 5,184 (39.5%) | 660 (14.4%) | 519 (21.0%) | 9,539 (33.5%) |
| Emergency surgical | 1,798 (21.8%) | 1,410 (10.7%) | 872 (19.0%) | 505 (20.4%) | 4,585 (16.1%) |
| Emergency medical | 3,272 (39.7%) | 6,545 (49.8%) | 3,062 (66.7%) | 1,453 (58.7%) | 14,332 (50.4%) |
| N (%) of ICU admissions with sepsis | 2,672 (32.4%) | 4,907 (37.3%) | 2,466 (53.7%) | 1,273 (51.4%) | 11,318 (39.8%) |
| N (%) of ICU admissions coded as infection in ICNARC data | 1,498 (18.2%) | 2,888 (22.0%) | 862 (18.8%) | 568 (22.9%) | 5,816 (20.4%) |
| N (%) of sepsis admissions coded as infection in ICNARC data | 1,068 (40.0%) | 2,316 (47.2%) | 723 (29.3%) | 436 (34.2%) | 4,543 (40.1%) |
| ICU mortality for admissions with sepsis, N (%) | 452 (16.9%) | 667 (13.6%) | 359 (14.6%) | 284 (22.3%) | 1,762 (15.6%) |

Abbreviations: ICNARC, Intensive Care National Audit and Research Center; ICU, intensive care unit; NHS, National Health Service