Table 2. General characteristics of the PICUs

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Characteristic** | **All PICU (n=77)** | **Northern**  **(n=4)** | **Eastern**  **(n=11)** | **Central**  **(n=36)** | **Southern**  **(n=18)** | **UK**  **(n=8)** |
| **Total PICU beds**  Median (IQR)  ≤ 10  11 – 20  > 20 | 12 (8-16)  34  31  12 | 9 (5-15)  2  1  1 | 9 (13-16)  7  2  2 | 13 (8-16)  15  16  5 | 11 (7-16)  9  7  2 | 16 (14-19)  1  5  2 |
| **PICU patient population, n (%)**  Medical  Surgical  Cardiac surgery  Neurosurgical  Trauma  Burn center | 77 (100)  75 (97)  38 (49)  66 (86)  69 (90)  30 (39) | 4 (100)  4 (100)  2 (50)  4 (100)  4 (100)  3 (75) | 11 (100)  10 (91)  2 (18)  5 (45)  9 (82)  6 (55) | 36 (100)  35 (97)  19 (53)  32 (89)  31 (86)  11 (31) | 18 (100)  18 (100)  10 (56)  17 (94)  17 (94)  7 (39) | 8 (100)  8 (100)  5 (28)  8 (100)  8 (100)  3 (38) |
| **Staffing, n (%)**  Pediatric intensivists  Anesthetists  Pediatricians  Adult intensivists  Oncologists | 68 (88)  34 (44)  29 (38)  8 (10)  11 (14) | 2 (50)  2 (50)  1 (25)  2 (50)  1 (25) | 8 (73)  11 (100)  5 (45)  3 (27)  3 (27) | 36 (100)  12 (33)  20 (56)  2 (6)  6 (17) | 14 (78)  4 (22)  2 (11)  1 (6)  1 (6) | 8 (100)  5 (63)  1 (13)  0  0 |
| **PICU physician present in PICU 24/7, n (%)** | 71 (92) | 4 (100) | 10 (91) | 31 (86) | 18 (100) | 8 (100) |
| **Annual PICU admissions**  Total, Median (IQR) | 450 (290-750) | 300 (165-325) | 150 (110-236) | 550 (350-950) | 425 (305-660) | 755 (689-895) |
| **Annual oncology and HSCT PICU admissions**  ***Planned Oncology***  Median (IQR)  ***Unplanned Oncology***  Median (IQR)    ***Planned HSCT***  Median (IQR)  ***Unplanned HSCT***  Median (IQR) | 20 (10-45)  10 (10-30)  0 (0-2)  3 (0-7) | 35 (17-53)  25 (15-38)  0 (0-4)  5 (0-11) | 8 (2-11)  7 (5-13)  0 (0-0)  0 (0-4) | 28 (10-43)  18 (10-30)  0 (0-0)  2 (0-5) | 30 (15-45)  18 (10-34)  2 (0-5)  6 (2-10) | 25 (20-38)  25 (14-48)  1 (0-7)  7 (3-12) |
| **Technologies available besides MV and vaso-active support, n (%)**  Hemodialysis and/or CRRT  Plasmapheresis or plasma exchange  ECMO  None of the above | 69 (90)  65 (84)  41 (53)  8 (10) | 3 (75)  3 (75)  2 (50)  1 (25) | 9 (82)  8 (73)  3 (27)  2 (18) | 31 (86)  29 (81)  21 (58)  5 (14) | 18 (100)  17 (94)  11 (61)  0 | 8 (100)  8 (100)  4 (50)  0 |
| **Isolation possibilities, n (%)**  Geographic isolation  High-efficiency air filtration  No isolation | 62 (81)  45 (58)  3 (4) | 3 (75)  3 (75)  0 | 8 (73)  7 (64)  1 (9) | 32 (89)  18 (50)  1 (3) | 12 (67)  10 (56)  1 (6) | 7 (88)  7 (88)  0 |
| Abbreviations: CRRT continuous renal replacement therapy, ECMO extracorporeal membrane oxygenation, HSCT, hematopoietic stem cell transplantation, IQR interquartile range, PICU pediatric intensive care unit | | | | | | |