**Table S1:** Characteristics of patients who recovered to within 4.5 PedsQLTM points of baseline compared to patients who improved to >4.5 PedsQLTM points between baseline and follow-up

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Characteristic** | **Recovery within 4.5 PedsQLTM points,** No. (%)274 (34.7) | **Improvement >4.5 PedsQLTM points,** No. (%)328 (41.5) | **p-value** |
| **Demographics** | **Male Gender** | 140 (51.1) | 174 (53.1) | 0.63 |
| **Age, years**, median (IQR) | 4.5 (1.7-10.0) | 5.3 (1.5-11.7) | 0.45 |
| **Race** |  |  | 0.98 |
|  White | 160 (58.4) | 186 (56.7) |  |
|  Asian | 29 (10.6) | 36 (11.0) |  |
|  Other | 85 (31.0) | 106 (32.3) |  |
| **Hispanic Ethnicity** | 43 (15.7) | 70 (21.3) | 0.21 |
| **English Language** | 240 (87.6) | 293 (89.3) | 0.51 |
| **Parent Education** |  |  | 0.52 |
|  College degree | 126 (46.5) | 140 (42.9) |  |
|  High school graduate | 123 (45.4) | 152 (46.6) |  |
|  Some high school | 22 (8.1) | 34 (10.4) |  |
| **Public Insurance** | 138 (50.4) | 150 (45.7) | 0.26 |
| **History** | **PMCA****Category** |  |  | 0.02 |
|  No chronic disease | 173 (63.1) | 170 (51.8) |  |
|  Non-complex chronic disease | 52 (19.0) | 78 (23.8) |  |
|  Complex chronic disease | 49 (17.9) | 80 (24.4) |  |
| **Immune Compromised** | 23 (8.4) | 44 (13.4) | 0.04 |
| **Indwelling Device Present** | 10 (3.7) | 23 (7.0) | 0.07 |
| **Infection Characteristics** | **Source of Infection** |  |  | 0.18 |
|  Blood | 6 (2.2) | 6 (1.8) |  |
|  CNS | 1 (0.4) | 9 (2.7) |  |
|  Lung | 56 (20.4) | 64 (19.5) |  |
|  Intra-abdominal/GI | 71 (25.9) | 77 (23.5) |  |
|  Bone/joint | 17 (6.2) | 14 (4.3) |  |
|  Soft tissue | 35 (12.8) | 34 (10.4) |  |
|  Other/Non-focal | 88 (32.1) | 124 (37.8) |  |
| **Positive Culture** | 166 (60.6) | 180 (54.9) | 0.16 |
| **Culture Category** |  |  | 0.21 |
|  Bacterial/fungal | 99 (36.1) | 97 (29.6) |  |
|  Viral | 67 (24.5) | 83 (25.3) |  |
|  Culture negative | 108 (39.4) | 148 (45.1) |  |
| **Illness Severity** | **Sepsis Category** |  |  | 0.68 |
|  Sepsis | 257 (93.8) | 302 (92.1) |  |
|  Severe sepsis | 10 (3.7) | 14 (4.3) |  |
|  Septic shock | 7 (2.6) | 12 (3.7) |  |
| **ICU Admission** | 24 (8.8) | 32 (9.8) | 0.68 |
| **MPEWS** a,b **,** median (IQR) | 3 (2-4) | 3 (2-4) | 0.79 |
| **PRISM III**c, median (IQR) | 2 (0-5) | 3 (0-6.5) | 0.49 |
| **PELOD**a,c, median (IQR) | 5.5 (2-8.5) | 3 (2-6.5) | 0.28 |
| **ICU LOS,** median (IQR) | 1 (1-3) | 3 (1-6.5) | 0.03 |
| **Hospital LOS,** median (IQR) | 3 (2-5) | 3 (2-5) | 0.66 |
|  | **Weeks to Follow-up,** median (IQR) | 4.3 (2.9-6.1) | 4.9 (3.4-7.2) | 0.03 |

Abbreviations: IQR, interquartile range; PMCA, Pediatric Medical Complexity Algorithm; MPEWS, Modified Pediatric Early Warning Score; PRISM, Pediatric Risk of Mortality; PELOD, Pediatric Organ Logistic Dysfunction; LOS, Length of stay

aHighest of admission; b Calculated for patients admitted to hospital ward; c Calculated for patients admitted to ICU