**Supplemental Table 4:** Association between Baseline Characteristics and Follow-Up Status

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| --- | --- | --- | --- |
| **Variable** | **No Follow-Up (n=97)** | **Yes Follow-Up (n=159)** | **p-value** |
| Demographics  Age (months) (median) (IQR)  Female/male (%/%)  Non-white race (%)  Hispanic ethnicity (%) | 2 (1, 4)  45/51 (47/53)  76 (79)  25 (26) | 2 (1, 4)  55/104 (35/65)  127 (80)  25 (16) | 0.11  0.052  0.33  0.102 |
| Admission diagnosis (%)  RSV bronchiolitis  Other bronchiolitis  Other pneumonia  Other respiratory failure  Non-pulmonary | 43 (44.8)  29 (30.2)  12 (12.5)  9 (9.4)  3 (3.1) | 89 (56)  28 (17.6)  19 (11.9)  20 (12.6)  3 (1.9) | 0.16 |
| PRISM III score | 4 (3, 6.5) | 4 (2, 6) | 0.53 |
| Worst OIa | 6.7 (3.7, 12) | 6.8 (3.7, 11.8) | 0.26 |
| Highest ventilator parameters  PIP (cmH2O)  PEEP (cmH2O)  Tidal Volume (ml/kg) | 32 (28, 37)  5.5 (5, 8)  10 (8.6, 13.15) | 31 (28, 36)  5 (5, 8)  10.75 (9, 13.8) | 0.23  0.83  0.16 |
| First Three-day average ventilator parameters  PIP (cmH2O)  PEEP (cmH2O)  Tidal Volume (ml/kg) | 28 (23.9, 32)  5 (5, 6)  8.75 (7.9, 10.6) | 27.3 (23, 31.3)  5 (5, 6)  9 (7.95, 12.25) | 0.55  0.42  0.44 |
| Specific virus positive (%) (n = 193)  RSV  Influenza  Parainfluenza  Adenovirus | 54 (89)  3 (5)  0 (0)  2 (3) | 90 (68)  2 (1.5)  3 (2.3)  0 (0) | <0.001 |
| Bacterial culture positive (%) | 58 (84.1) | 82 (62.1) | 0.001 |
| Duration of support  Ventilator days  Oxygen days  PICU days  Hospital days | 5 (3, 8)  9 (6, 12)  8 (5, 11.5)  12 (8, 18) | 5 (4, 8)  9 (6, 12)  7 (5, 12)  12 (8, 17) | 0.48  0.52  0.94  0.96 |
| Ancillary therapies (%)  Inhaled nitric oxide  HFOV | 4 (4.2)  4 (4.2) | 4 (2.5)  6 (3.8) | 0.48  1.00 |
| Complications (%)  Air leak  Re-intubation | 7 (7.3)  18 (18.8) | 14 (8.8)  11 (7.1) | 0.82  0.005 |
| Discharge or 28 Day Support (%)  Pulmonary dysfunction at discharge  Mechanical ventilationØ  Supplemental oxygen  Oral/inhaled corticosteroids  Bronchodilator | 36 (37.5)  4 (4.2)  7 (7.3)  16 (16.7)  29 (30.2) | 51 (32.1)  0 (0)  9 (5.7)  20 (12.6)  38 (23.9) | 0.38  0.019  0.6  0.36  0.27 |

a OSI converted to OI

Ø All 4 patients with mechanical ventilation at 28 days died before discharge