**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** |
| DemographicsAge (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) | 0.110.052 0.330.102 |
| Admission diagnosis (%)RSV bronchiolitisOther bronchiolitisOther pneumoniaOther 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 parametersPIP (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) | 0.230.830.16 |
| 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) | 0.550.420.44 |
| Specific virus positive (%) (n = 193)RSV InfluenzaParainfluenza  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 supportVentilator daysOxygen daysPICU daysHospital 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) | 0.480.520.940.96 |
| Ancillary therapies (%)Inhaled nitric oxideHFOV | 4 (4.2)4 (4.2) | 4 (2.5)6 (3.8) | 0.481.00 |
| Complications (%)Air leak Re-intubation | 7 (7.3)18 (18.8) | 14 (8.8)11 (7.1) | 0.820.005 |
| 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) | 0.380.0190.60.360.27 |

a OSI converted to OI

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