**Supplemental Materials**

**Supplemental Table 1. Reference Range Values Used to Define Stability for Heart and Respiratory Rate**1

|  |  |  |
| --- | --- | --- |
| Age | Heart Rate  (beats per minute) | Respiratory Rate (breaths per minute) |
| <3 months | >205 | >60 |
| >3months to <1 year | >190 | >60 |
| >1 year to <2 years | >190 | >40 |
| >2 years to <4 years | >140 | >40 |
| >4 years to <6 years | >140 | >34 |
| >6 years to <10 years | >140 | >30 |
| >10 years to <13 years | >100 | >30 |
| >13 years | >100 | >16 |

1From the 2005 American Heart Association (AHA) guidelines for cardiopulmonary resuscitation (CPR) and emergency cardiovascular care (ECC) of pediatric and neonatal patients: pediatric advanced life support.

**Supplemental Table 2. Population Characteristics by Age Group**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Age Group | | |
| <2 years | 2-4 years | 5-17 years |
| No. enrolled | 134 | 91 | 109 |
| Age (months) | 12 (7, 17) | 37 (31, 49) | 102 (81, 132) |
| Length of stay (hours) | 62.1 (43.6, 91.3) | 66 (43.5, 98.6) | 47.4 (35.8, 77.3) |
| Severity |  |  |  |
| Non-severe | 99 (73.9) | 66 (72.5) | 84 (77.1) |
| Severe | 16 (11.9) | 12 (13.2) | 11 (10.1) |
| Very severe | 19 (14.2) | 13 (14.3) | 14 (12.8) |

Data displayed as No. (%) or median (interquartile range). Abbreviations: No., number

**Supplemental Figures 1A-D.**

**Time to Clinical Stability and Length of Stay According to Disease Severity Among Children Hospitalized with Pneumonia**

Time to clinical stability (TCS) and length of stay (LOS) according to pneumonia disease severity. The ordinal severity scale categorized children into three mutually-exclusive groups as follows: non-severe, severe, and very severe. Box and whisker plots represent the median, interquartile range, and 1.5 times the interquartile range. P-value <0.01 for non-parametric test of trend comparing time to stability according to disease severity. Abbreviations: diff., absolute difference; IQR, interquartile range; TCS, time to clinical stability; LOS, length of stay

**Supplemental Figure 1A. Time to Clinical Stability (Temperature, Heart Rate, Respiratory Rate, and Supplemental Oxygen) and Length of Stay According to Disease Severity Among Children Hospitalized with Pneumonia**



**Supplemental Figure 1B. Time to Clinical Stability (Heart Rate, Respiratory Rate, and Supplemental Oxygen) and Length of Stay According to Disease Severity Among Children Hospitalized with Pneumonia**



**Supplemental Figure 1C. Time to Clinical Stability (Temperature, Respiratory Rate, and Supplemental Oxygen) and Length of Stay According to Disease Severity Among Children Hospitalized with Pneumonia**

