**Supplementary Table 1-** Mixed effects logistical regression model (referring hospitals as random effects) showing factors associated with the occurrence of TIAEs and severe TIAEs

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| --- | --- | --- |
| **Variable** | **TIAEs** | **Severe TIAEs** |
| **Age group** |  | Not entered into model |
| 0-3 months | Reference category |  |
| 4-11 months | 1.72 (0.99,3.01) |  |
| 1-4 years | 1.66 (0.91,3.04) |  |
| 5-10 years | 1.75 (0.66,4.68) |  |
| 11-15 years | 2.13 (0.42, 10.87) |  |
| **Weight, median (IQR)** | 0.98 (0.94,1.02) | Not entered into model |
| **Z-Score, mean** | 1.03 (0.91,1.16) | 1.04 (0.93,1.17) |
| **Diagnostic category** | Not entered into model |  |
| Upper Airway |  | Reference category |
| Lung Disease |  | 2.33 (0.75,7.28) |
| Resp (Other) |  | 3.54 (1.05,11.97) |
| Congenital Heart Disease |  | 1.91 (0.28,12.88) |
| Arrhythmia |  | - |
| Cardiac (Other) |  | 1.52 (0.32,7.05) |
| Seizures |  | 1.48 (0.43,5.05) |
| Coma |  | - |
| Neuro (Other) |  | 1.50 (0.33,6.90) |
| Sepsis |  | 2.72 (0.79,9.38) |
| Accidents |  | - |
| Other1 |  | 2.30 (0.52,10.27) |
| **Comorbidity** | 1.20 (0.84,1.72) | Not entered into model |
| **Airway Grade2** |  |  |
| 1 | Reference category | Reference category |
| 2 | 1.13 (0.69,1.85) | 0.91 (0.50,1.67) |
| 3 | 1.67 (0.64,4.35) | 1.07 (0.38,2.94) |
| 4 | 0.85 (0.16,4.60) | 1.19 (0.23,6.17) |
|  |  |  |
| **Intubator Specialty** |  | Not entered into model |
| Anaesthesia | Reference category |  |
| Emergency medicine | 6.80 (1.13,40.9) |  |
| Paediatrics | 1.85 (0.52,1.15) |  |
| Neonatology | 1.89 (0.62,5.78) |  |
| ENT3 | - |  |
|  |  |  |
| **Intubator Grade** |  |  |
| Consultant4 | Reference category | Reference category |
| ST 4-85 | 0.77 (0.52,1.15) | 0.89 (0.55,1.42) |
| ST 1-36 | 1.36 (0.58,3.16) | 0.51 (0.11,2.27) |
| Other | 0.63 (0.27,1.44) | 0.61 (0.21,1.82) |
|  |  |  |
| **Intubation Attempts** |  |  |
| 1 | Reference category | Reference category |
| 2 | 1.99 (1.31,3.01) | 1.73 (1.04,2.87) |
| 3 | 5.57 (3.20,9.69) | 5.61 (3.11,10.09) |
| 4 | 3.80 (1.33,10.84) | 2.17 (0.56,8.40) |
| >4 | 19.11 (5.84,62.52) | 10.65 (3.95,28.67) |

1Other: Post-operative complications, abdominal surgical emergencies, metabolic derangements, renal failure, oncologic diagnoses, anaphylaxis, malaria, dehydration, gastroenteritis. 2Cormack-Lehane Grading 3Ear, Nose & Throat 4Attending Physician 5ST 4-8 = Senior Trainee, 6ST 1-3 = Junior Trainee