





**Post-Operative Tracheostomy Pediatric Population Characteristics, Adverse Events and Compliance with Process Measures, n= 7**

**Data Collection 12/14/22 – 3/14/23**

✓ = Yes / ✗ = No

Age in months	Primary Diagnosis	Secondary Diagnosis	Blue Trach Equipment Bag at Bedside on admission	New Post-op Order Set Utilized (Yes/No)	Journey Board at Bedside Before First Trach Change (Yes/No)	New Care Plan at Bedside Before First Trach Change (Yes/No)	Weekly Chart Audit for Tracheostomy Related Adverse Events or Complications	Date of Tracheostomy Insertion	Date of Discharge to Home	Length of Stay (days)
			Process Measures				Clinical Outcome		Operational Outcome	
5	Respiratory Failure, Prematurity, Bronchopulmonary Dysplasia (BPD) Tracheomalacia, Subglottic Stenosis, Tracheoesophageal Fistula	Persistent Primary Pulmonary Hypertension of the Newborn, Twin gestation, Mitral Valve Insufficiency, Inguinal Hernia and Hypospadias	✓	✓	✓	✓	None	12.15.22	2.27.23	74
9	Apert syndrome, Midface Hypoplasia with Severe Obstructive Sleep	Craniosynostosis, s/p Craniotomy, Atelectasis	✓	✓	✓	✓	None	1.13.23	1.30.23	17
7	Respiratory Failure, Prematurity, Pulmonary Vascular Disease, BPD, Tracheoesophageal Fistula, Tracheomalacia	Intraventricular Hemorrhage grade III, Chylothorax s/p Multiple Thoracic Duct Ligations, Scoliosis	✓	✓	✓	✓	Tracheostomy skin complication: leak around trach site, packed with dressing, with successful healing 2.13.23	1.30.23	*	53
10	Prematurity, Pulmonary Vascular Disease, Pulmonary Hypertension, BPD	Twin Gestation	✓	✓	✓	✓	None	1.30.23	*	53
12	Respiratory Failure, Stenosis of the Trachea s/p repair, Bronchomalacia, Tetralogy of Fallot with Pulmonary Atresia s/p Repair	Cleft Palate, Micrognathia s/p Mandibular Distraction, Oropharyngeal Dysphagia, Full Term Gestation	✓	✓	✓	✓	None	2.15.23	*	27
5	Respiratory Failure, Prematurity, Pulmonary Vascular Disease, BPD, Subglottic Stenosis, Pulmonary Hypertension	Gastroschisis with Dilated Bowel	✓	✓	✓	✓	None	2.24.23	*	18
2	Respiratory failure, laryngomalacia, cleft palate, Tetralogy of Fallot with pulmonic stenosis s/p pulmonary sling	DiGeorge Syndrome, feeding intolerance, complete repair of TOF in 3-4 months	✓	✓	✓	✓	None	3.6.23	*	8

\* patient was not discharged by 3/14/23, inpatient length of stay shown as of 3/14/23



# Post-Operative Tracheostomy Pediatric Patient Population Monroe Carell Jr. Children's Hospital at Vanderbilt (n= 77)

Current Average Length of Stay = 66 days, Target = <60 days  
Global Tracheostomy Collaborative Benchmark = 68.9 days

Average Length of Stay (days in hospital following tracheostomy placement)

