

Table 2: Key outcomes. Values are in n (%) unless otherwise stated.* For infants who survived and where full discharge data were available. TC n=86; Nager n=6; CHNC micrognathia cohort n=3,463.

Category	Variable	Treacher Collins syndrome (n=103)	Nager syndrome (n=11)	CHNC micrognathia cohort (n=4,210)
Length of stay	Hospital length of stay; days*: median (interquartile range)	47.5 (27, 72)	43 (13, 115)	37 [18,68]
Mortality	Hospital Mortality	2 (1.9)	3 (27.3)	302 (7.2)
	Anomaly or syndrome	1 (50)	2 (67)	152 (50.3)
	Respiratory failure	1 (50)	0 (0)	75 (24.8)
	CNS injury	0 (0)	0 (0)	15 (5)
	GI/intra-abdominal catastrophe	0 (0)	0 (0)	10 (3.3)
	Multi-organ system failure	0 (0)	1 (33)	15 (5)
	Inborn error of metabolism	0 (0)	0 (0)	2 (0.7)
	Infection	0 (0)	0 (0)	7 (2.3)
	Other	0 (0)	0 (0)	11 (8.6)
Key surgery interventions	Tongue-lip adhesion (TLA)	1 (0.9)	0 (0)	132 (3.1)
	Age at TLA, days	47 (47.47)	N/A	25 [14.5,40.5]
	Mandibular distraction osteogenesis (MDO)	10 (9.7)	1 (9.1)	1189 (28.2)
	Age at MDO, days	37.5 [17,77]	75.5 [23,128]	27 [15,44.5]
	Tracheostomy	56 (54.4)	8 (72.7)	462 (11)
	Age at Tracheostomy, days	17 [8.5,37]	9 [7,24]	51 [23,84]

	Gastrostomy tube	69/103 (67)	8/11 (72.7)	1472 (35)
Discharge to Home	N (% of full cohort)	86 (83)	6 (54.5)	3463 (82.3)
Discharge support	Home on a monitor*	55 (64)	6 (100)	1602 (46.3)
	No respiratory support*	11 (12.8)	0 (0)	1120 (32.3)
	Oxygen (non-invasive)*	29 (33.7)	3 (50)	2007 (58)
	Tracheostomy*	46 (53.5)	3 (50)	336 (9.7)
	Feeding exclusively orally*	17 (19.8)	0 (0)	1556 (44.9)
	Continuous feeding*	3 (3.5)	1 (14.3)	241 (12.6)