

Table 1: Primary diagnosis by ethnicity.

	Māori	European	South East Asian	Other Asian	Pasifika	Other	Total
Cleft palate	17 (77% of total for Māori)	19 (57% of total for European)	4 (40%)	2 (50%)	4 (66%)	2 (50%)	48
Unilateral Cleft Lip and Palate	2	10	5	2	2	1	22
Bilateral Cleft Lip and Palate	3	4	1	-	-	1	9
Total	22 (28%)	33 (42%)	10 (13%)	4 (5%)	6 (7%)	4 (5%)	79

Table 2: Distance (km) travelled to access service.

Travel distance from home to Middlemore	Total cohort (N=79)	Māori (n=22)	non-Māori (n=57)
0–20 km	37 (47%)	9	28
21–50 km	22 (28%)	6	16
51–100 km	7 (9%)	1	6
101–299 km	10 (13%)	3	7
>300km	3 (3%)	3	0

Table 3: Speech therapy services offered and attended.

	Total cohort (N=79)	Māori (n=22)	non-Māori (n=57)
Speech therapy attended through Auckland Cleft Service	44 (56%)	11 (25%)	33 (75%)
Number of sessions	Median 9.3, range 1–23		
Attendance		Average 63% attendance rate 3 (27%) children had 100% attendance	Average 95% attendance rate 28 (85%) of children had 100% attendance
Additional speech therapy in the community	46 (58%)	18 (82%)	27 (49%)

Table 4: VPI and CSC characteristics for Māori and non-Māori at 5 years plus distance from cleft centre.

Speech outcome		Māori (n=22)	non-Māori (n=57)	Total	Kms
VF dysfunction*	Normal to Mild (0-1) Monitor Only	7	25	32	<20 km
		3	8	11	21-50 km
		1	5	6	51-100 km
		0	3	3	101-299 km
		3	0	3	300+ km
	Moderate (3-5) Require investigation and probable surgery	2	2	4	<20 km
		2	4	6	21-50 km
		0	1	1	51-100 km
		2	0	2	101-299 km
				0	300+ km
	Severe (6-7) Require investigation and likely surgery	0	3	3	<20 km
		1	4	5	21-50 km
				0	51-100 km
		1	2	3	101-299 km
		0	0	0	300+ km
Presence of cleft speech characteristics (CSC)	Normal speech (anterior or development errors) Monitor only	8	25	33	<20 km
		5	14	19	21-50 km
		1	5	6	51-100 km
		0	4	4	101-299 km
		3	0	3	300+ km
	Glottal/pharyngeal articulation/Active Nasal Fricatives Severe CSCs require therapy	1	1	2	<20 km
		0	1	1	21-50 km
		0	0	0	51-100 km
		2	0	2	101-299 km
		0	0	0	300+ km

Table 4 (continued): VPI and CSC characteristics for Māori and non-Māori at 5 years plus distance from cleft centre.

Presence of cleft speech characteristics (CSC)	Backing to velar or uvular place Moderate CSCs Require therapy	0	2	2	<20 km
		1	1	2	21–50 km
		0	1	1	51–100 km
		1	3	4	101–299 km
		0	0	0	300+ km

* Rhinocleft composite score (0= no impairment; 7=severe impairment).

** Anterior CSCs (dentalisation, lateralisation, palatalization) were not included here as they may not require ongoing therapy intervention. In cases where there was the presence of both backing to velar/uvular and glottal/pharyngeal or Active nasal fricatives, this was only counted once.

Figure 1: Speech outcomes for Māori and non-Māori (%).

