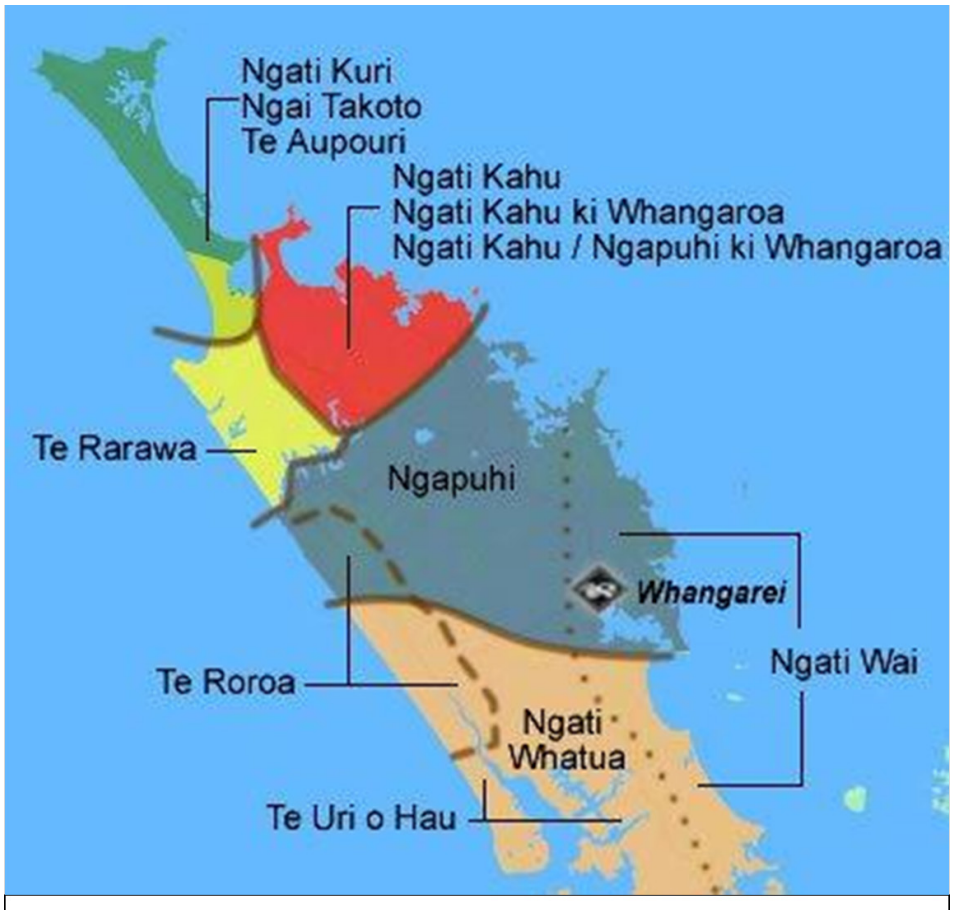
Appendices

Appendix 1: Te Tai Tokerau iwi map sourced from Te Puni Kokiri and the Northland Regional Council.[7]



Appendix 2: ICD-10 codes relevant to ORL.

Otitis media	Rhinitis	Salivary glands	Laryngitis	Goitre	Post-operative complications
Otitis externa	Sinusitis	Ankyloglossia	Epiglottitis	Tracheostomy	
Ear injuries	Epistaxis	Glossitis	Laryngomalacia	Anterior neck infections	
Vertigo	Nasal fractures	Peritonsillar abscess	Globus		
Foreign body ear	Foreign body nose	Oral cavity injuries	Stridor		
	Facial injuries		Dysphagia		
	Facial infections		Laryngeal spasm		
			Vocal cord disorders		
			Oropharyngeal burns		
			Foreign body throat		

Appendix 3: Breakdown of presentations.

	Rural		Urban		Total	
Ear	**1,038**	**42.7%**	**1,618**	**52.1%**	**2,656**	**48.0%**
Abscess/cellulitis/ perichondritis outer ear	31	1.3%	57	1.8%	88	1.6%
Foreign body in ear	128	5.3%	156	5.0%	284	5.1%
Hearing loss	18	0.7%	16	0.5%	34	0.6%
Impacted cerumen	41	1.7%	92	3.0%	133	2.4%
Labyrinthitis/vertigo	71	2.9%	51	1.6%	122	2.2%
Otalgia	166	6.8%	151	4.9%	317	5.7%
Otitis externa	202	8.3%	443	14.3%	645	11.7%
Otitis media	323	13.3%	561	18.1%	884	16.0%
Other	42	1.7%	59	1.9%	101	1.8%
Tympanic membrane perforation	16	0.7%	32	1.0%	48	0.9%
Head and neck	**181**	**7.4%**	**232**	**7.5%**	**413**	**7.5%**
Bell's palsy	85	3.5%	87	2.8%	172	3.1%
Disorder of salivary gland	13	0.5%	31	1.0%	44	0.8%
Facial/neck swelling	46	1.9%	68	2.2%	114	2.1%
Lymphadenopathy	18	0.7%	31	1.0%	49	0.9%
Other	19	0.8%	15	0.5%	34	0.6%
Nose	**807**	**33.2%**	**860**	**27.7%**	**1667**	**30.1%**
Abscess nose	14	0.6%	26	0.8%	40	0.7%
Epistaxis	462	19.0%	465	15.0%	927	16.8%
Foreign body in nostril	59	2.4%	62	2.0%	121	2.2%
Nasal fracture	127	5.2%	124	4.0%	251	4.5%
Nasal injury	13	0.5%	17	0.5%	30	0.5%
Rhinitis	9	0.4%	13	0.4%	22	0.4%
Sinusitis	123	5.1%	153	4.9%	276	5.0%

Appendix 3 (continued): Breakdown of presentations.

	Rural		Urban		Total	
Oral cavity	**71**	**2.9%**	**66**	**2.1%**	**137**	**2.5%**
Ankyloglossia	27	1.1%	1	0.0%	28	0.5%
Cellulitis and abscess of mouth	27	1.1%	39	1.3%	66	1.2%
Disease of lip	9	0.4%	17	0.5%	26	0.5%
Glossitis	8	0.3%	9	0.3%	17	0.3%
Post-operative	**109**	**4.5%**	**115**	**3.7%**	**224**	**4.0%**
Post-operative bleed	71	2.9%	72	2.3%	143	2.6%
Post-operative complication	15	0.6%	18	0.6%	33	0.6%
Post-operative infection	23	0.9%	25	0.8%	48	0.9%
Throat	**224**	**9.2%**	**213**	**6.9%**	**437**	**7.9%**
Acute laryngitis	19	0.8%	34	1.1%	53	1.0%
Disorder of larynx	16	0.7%	10	0.3%	26	0.5%
Epiglottitis	9	0.4%	15	0.5%	24	0.4%
Foreign body in pharynx	58	2.4%	51	1.6%	109	2.0%
Peritonsillar abscess	88	3.6%	62	2.0%	150	2.7%
Stridor	15	0.6%	11	0.4%	26	0.5%
Other	19	0.8%	30	1.0%	49	0.9%
Total	**2,430**		**3,104**		**5,534**	