

Table 1: Description of families seen by Whānau Ora services, 2015–2023.

Characteristic	Group	n	%
Total number of families	-	11,999	100
Age (years)	<25	3,037	25.3
	25–39.9	3,265	27.2
	≥40	2,767	23.1
	Not stated	2,930	24.4
Male %	<10	2,984	24.9
	10–39.9	2,288	19.1
	40–59.9	2,497	20.8
	≥60	2,652	22.1
	Not stated	1,578	13.2
Ethnic group	Sāmoan	4,685	39.0
	Tongan	3,725	31.0
	Cook Islands	1,691	14.1
	Niuean	232	1.9
	Fijian Itaukei	477	4.0
	Tuvaluan	435	3.6
	Tokelauan	216	1.8
	Kiribati	248	2.1
	Other Pacific	206	1.7
Other	84	0.6	
Languages spoken	English only	2,085	17.4
	Bilingual	1,120	9.3
	Pacific only	3,007	25.1
	Not stated	5,787	48.2
Region	Auckland	8,058	67.2
	Midlands	1,166	9.7
	Northland	147	1.2
	South Island	1,286	10.7
	Wellington	1,342	11.2
Family size	1–3 members	5,035	42.0
	4–5 members	3,442	28.7
	≥6 members	3,522	29.4

Table 2: Predictors of summed initial Measurement Assessment Scoring Tool (MAST) score.

Variable	Group	Mean (SD)	Mean difference (95% confidence interval)	
			Univariable	Multivariable *
Age (years)	<25	66.3 (14.2)	Reference	Reference
	25–39.9	64.3 (14.1)	–2.01 (–2.68––1.34)	–0.96 (–1.62––0.31)
	≥40	60.0 (13.0)	–6.26 (–6.96––5.56)	–3.17 (–3.91––2.42)
	Not stated	58.6 (12.9)	–7.67 (–8.36––6.98)	–4.30 (–5.32––3.27)
			P<0.0001	P<0.0001
Male %	<10	58.4 (11.7)	Reference	Reference
	10–39.9	65.2 (14.7)	6.78 (6.04–7.52)	3.30 (2.52–4.08)
	40–59.9	65.1 (14.5)	6.70 (5.97–7.43)	3.07 (2.26–3.87)
	≥60	63.3 (14.3)	4.88 (4.16–5.59)	2.35 (1.62–3.09)
	Not stated	60.0 (13.1)	1.61 (0.78–2.45)	3.40 (2.20–4.60)
		P<0.0001	P<0.0001	
Ethnic group	Sāmoan	64.3 (15.4)	Reference	Reference
	Tongan	61.5 (13.1)	–2.73 (–3.32––2.14)	–2.70 (–3.41––1.99)
	Cook Islands	61.3 (11.9)	–3.00 (–3.77––2.24)	–1.77 (–2.61––0.92)
	Niuean	61.7 (13.7)	–2.55 (–4.37––0.73)	–1.78 (–3.53––0.02)
	Fijian Itaukei	57.5 (13.1)	–6.73 (–8.03– –5.43)	–4.49 (–5.76––3.22)
	Tuvaluan	64.8 (12.6)	0.48 (–0.88–1.83)	–0.36 (–1.65–0.93)
	Tokelauan	57.1 (10.7)	–7.18 (–9.07––5.30)	–0.71 (–2.54–1.13)
	Kiribati	59.4 (11.8)	–4.88 (–6.64––3.11)	–2.80 (–4.54, –1.06)
	Other Pacific	60.4 (11.3)	–3.86 (–5.79––1.93)	–2.78 (–4.62––0.95)
	Other	64.4 (13.4)	0.17 (–2.81–3.15)	1.89 (–0.94–4.73)
		P<0.0001	P<0.0001	
Languages spoken	English only	60.4 (13.0)	Reference	Reference
	Bilingual	61.4 (14.1)	1.07 (0.06–2.08)	2.26 (1.27–3.25)
	Pacific only	61.5 (12.9)	1.16 (0.38–1.93)	2.14 (1.35–2.94)
	Not stated	63.8 (14.6)	3.46 (2.76–4.15)	2.52 (1.77–3.27)
		P<0.0001	P<0.0001	
Region	Auckland	65.0 (14.0)	Reference	Reference
	Midlands	57.7 (12.6)	–7.21 (–8.03––6.38)	–5.07 (–6.10––4.04)
	Northland	66.6 (11.9)	1.62 (–0.57–3.80)	3.95 (1.60–6.30)
	South Island	57.1 (11.9)	–7.88 (–8.67––7.09)	–6.79 (–7.61––5.96)
	Wellington	55.8 (11.6)	–9.11 (–9.88––8.33)	–6.09 (–6.94––5.25)

Table 2 (continued): Predictors of summed initial Measurement Assessment Scoring Tool (MAST) score.

			P<0.0001	P<0.0001
Family size	1–3 members	59.2 (12.7)	Reference	Reference
	4–5 members	64.2 (14.4)	5.02 (4.43–5.61)	1.71 (1.06–2.36)
	≥6 members	65.2 (14.3)	5.99 (5.40–6.58)	2.41 (1.74–3.08)
			P<0.0001	P<0.0001

*The multivariable model included all predictors listed: age, male %, ethnic group, languages spoken, region and family size.

Table 3: Odds ratios for predictors of high-needs initial Measurement Assessment Scoring Tool (MAST) score.

Variable	Group	High needs (n, %)		Odds ratio (95% confidence interval)	
		No	Yes	Univariable	Multivariable *
Age (years)	<25	2,373 (78.1)	664 (21.9)	Reference	Reference
	25–39.9	2,699 (82.7)	566 (17.3)	0.75 (0.66–0.85)	0.89 (0.78–1.02)
	≥40	2,504 (90.5)	263 (9.5)	0.38 (0.32–0.44)	0.66 (0.56–0.79)
	Not stated	2,685 (91.6)	245 (8.4)	0.33 (0.28–0.38)	0.38 (0.27–0.54)
				P<0.0001	P<0.0001
Male %	<10	2,794 (93.6)	190 (6.4)	Reference	Reference
	10–39.9	1,837 (80.3)	451 (19.7)	3.61 (3.02–4.33)	2.14 (1.76–2.61)
	40–59.9	2,014 (80.7)	483 (19.3)	3.53 (2.96–4.22)	1.95 (1.59–2.39)
	≥60	2,209 (83.3)	443 (16.7)	2.95 (2.47–3.53)	1.93 (1.59–2.35)
	Not stated	1,407 (89.2)	171 (10.8)	1.79 (1.44–2.22)	2.84 (1.96–4.18)
				P<0.0001	P<0.0001
Ethnic group	Sāmoan	3,700 (79.0)	985 (21.0)	Reference	Reference
	Tongan	3,317 (89.0)	408 (11.0)	0.46 (0.41–0.52)	0.48 (0.41–0.57)
	Cook Islands	1,556 (92.0)	135 (8.0)	0.33 (0.27–0.39)	0.40 (0.32–0.50)
	Niuean	197 (84.9)	35 (15.1)	0.67 (0.46–0.95)	0.82 (0.55–1.20)
	Fijian Itaukei	439 (92.0)	38 (8.0)	0.33 (0.23–0.45)	0.45 (0.31–0.63)
	Tuvaluan	359 (82.5)	76 (17.5)	0.80 (0.61–1.02)	0.71 (0.54–0.93)
	Tokelauan	206 (95.4)	10 (4.6)	0.18 (0.09–0.33)	0.54 (0.26–1.00)
	Kiribati	229 (92.3)	19 (7.7)	0.31 (0.19–0.49)	0.40 (0.23–0.64)
	Other Pacific	190 (92.2)	16 (7.8)	0.32 (0.18–0.51)	0.39 (0.22–0.64)
	Other	68 (81.0)	16 (19.0)	0.88 (0.49–1.49)	1.34 (0.73–2.32)
				P<0.0001	P<0.0001

Table 3 (continued): Odds ratios for predictors of high-needs initial Measurement Assessment Scoring Tool (MAST) score.

Languages spoken	English only	1,892 (90.7)	193 (9.3)	Reference	Reference
	Bilingual	975 (87.1)	145 (12.9)	1.46 (1.16–1.83)	1.89 (1.48–2.42)
	Pacific only	2,710 (90.1)	297 (9.9)	1.07 (0.89–1.30)	1.47 (1.19–1.82)
	Not stated	4,684 (80.9)	1,103 (19.1)	2.31 (1.97–2.72)	1.77 (1.49–2.13)
				P<0.0001	P<0.0001
Region	Auckland	6574 (81.6)	1484 (18.4)	Reference	Reference
	Midlands	1067 (91.5)	99 (8.5)	0.41 (0.33–0.51)	0.65 (0.48–0.86)
	Northland	119 (81.0)	28 (19.0)	1.04 (0.68–1.55)	2.15 (1.24–3.68)
	South Island	1218 (94.7)	68 (5.3)	0.25 (0.19–0.32)	0.29 (0.22–0.37)
	Wellington	1283 (95.6)	59 (4.4)	0.20 (0.15–0.26)	0.37 (0.27–0.48)
				P<0.0001	P<0.0001
Family household size	1–3 members	4618 (91.7)	417 (8.3)	Reference	Reference
	4–5 members	2815 (81.8)	627 (18.2)	2.47 (2.16–2.82)	1.43 (1.23–1.67)
	≥6 members	2828 (80.3)	694 (19.7)	2.72 (2.39–3.10)	1.50 (1.28–1.75)
				P<0.0001	P<0.0001

*The multivariable model included all predictors listed: age, male %, ethnic group, languages spoken, region and family size.