

**Table 1:** CGM use at 12 months according to age, gender, ethnicity and deprivation score.

	Children, n (col %)	Using CGM, n (row %)		Unadjusted		Adjusted <sup>1</sup>	
		No	Yes	Risk ratio <sup>2</sup> (95% CI)	p	Risk ratio (95% CI)	p
<b>Age</b>							
0 to 4	31 (15.0%)	2 (6.5%)	29 (93.5%)	Ref	<0.001	Ref	0.008
5 to 9	78 (37.9%)	24 (30.8%)	54 (69.2%)	0.74, (0.61, 0.90)		0.81 (0.66, 0.99)	
10 to 14	97 (47.1%)	36 (37.1%)	61 (62.9%)	0.67, (0.55, 0.82)		0.73 (0.60, 0.90)	
<b>Gender</b>							
Female	96 (46.6%)	25 (26.0%)	71 (74.0%)	Ref	0.236	Ref	0.185
Male	110 (53.4%)	37 (33.6%)	73 (66.4%)	0.90, (0.75, 1.07)		0.90 (0.76, 1.05)	
<b>Ethnicity<sup>3</sup></b>							
Māori	30 (14.6%)	13 (43.3%)	17 (56.7%)	Ref	0.018	Ref	0.049
Pacific peoples	15 (7.3%)	13 (86.7%)	2 (13.3%)	0.24, (0.05, 1.17)		0.26 (0.05, 1.23)	
Asian	12 (5.8%)	2 (16.7%)	10 (83.3%)	1.47, (0.90, 2.39)		1.44 (0.88, 2.34)	
European	149 (72.3%)	34 (22.8%)	115 (77.2%)	1.36, (0.92, 2.02)		1.23 (0.85, 1.79)	
<b>NZDep</b>							
1–2	56 (27.2%)	8 (14.3%)	48 (85.7%)	Ref	0.002	Ref	0.043
3–4	33 (16.0%)	5 (15.2%)	28 (84.8%)	0.99, (0.79, 1.24)		0.96 (0.76, 1.22)	
5–6	41 (19.9%)	11 (26.8%)	30 (73.2%)	0.85, (0.65, 1.12)		0.88 (0.69, 1.13)	
7–8	42 (20.4%)	20 (47.6%)	22 (52.4%)	0.61, (0.42, 0.90)		0.67 (0.46, 0.97)	
9–10	34 (16.5%)	18 (52.9%)	16 (47.1%)	0.55, (0.34, 0.88)		0.66 (0.44, 1.00)	
<b>Total</b>	206 (100%)	62 (30.1%)	144 (69.9%)				

Continuous glucose monitoring = CGM; confidence interval = CI; reference category = Ref; New Zealand Index of Deprivation = NZDep (1 = least deprived, 10 = most deprived).

<sup>1</sup>Estimates calculated from single multivariable model including age, gender, ethnicity and NZDep.

<sup>2</sup>Risk ratio interpreted as increased likelihood of CGM use versus the reference category where 1 equals no difference.

<sup>3</sup>Individuals identifying with multiple ethnicities are prioritised to a single ethnicity in the order listed.

**Table 2:** Mean HbA1c at 12 months according to age, ethnicity deprivation score and use of CGM.

	HbA1c, mmol/mol	Unadjusted		Adjusted <sup>1</sup>	
	mean (SD)	Mean diff. <sup>2</sup> (95% CI)	p	Mean diff. (95% CI)	p
<b>Age</b>			0.082		0.4
0 to 4	57.1 (9.5)	Ref		Ref	
5 to 9	63.3 (14.3)	6.2, (0.29, 12)		3, (-2.5, 8.6)	
10 to 14	63.3 (15.1)	6.2, (0.44, 12)		3.6, (-1.8, 9.0)	
<b>Gender</b>			0.072		0.042
Female	60.4 (15.0)	Ref		Ref	
Male	64.0 (13.4)	3.6, (-0.32, 7.5)		3.8, (0.13, 7.5)	
<b>Ethnicity<sup>3</sup></b>			<0.001		0.2
Māori	69.6 (16.9)	Ref		Ref	
Pacific peoples	71.1 (11.7)	1.5, (-7.0, 10)		-2.7, (-11, 5.5)	
Asian	59.8 (10.6)	-9.9, (-19, -0.66)		-8.1, (-17, 0.81)	
European	60.2 (13.4)	-9.4, (-15, -4.0)		-5.5, (-11, -0.22)	
<b>NZDep</b>			<0.001		0.008
1–2	57.1 (9.8)	Ref		Ref	
3–4	60.7 (11.5)	3.6, (-2.3, 9.4)		4.2, (-1.4, 9.9)	
5–6	61.7 (12.0)	4.6, (-0.86, 10)		3.6, (-1.7, 8.9)	
7–8	63.4 (17.1)	6.3, (0.85, 12)		3.5, (-1.9, 9.0)	
9–10	72.0 (16.7)	15, (9.1, 21)		11, (5.4, 17)	
<b>Uses CGM</b>			<0.001		0.006
No	69.6 (16.0)	Ref		Ref	
Yes	59.2 (12.2)	-10, (-14, -6.4)		-6.2, (-11, -1.8)	
Total	62.4 (14.2)				

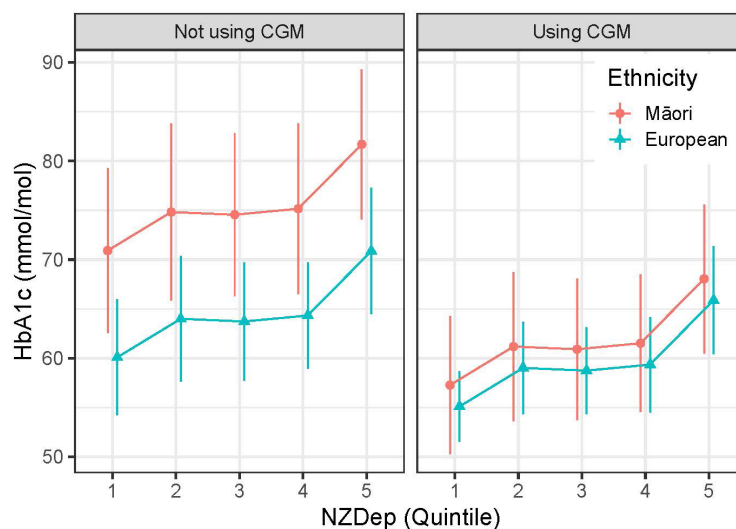
Continuous glucose monitoring = CGM; confidence interval = CI; reference category = Ref; New Zealand Index of Deprivation = NZDep (1 = least deprived, 10 = most deprived).

<sup>1</sup>Estimates calculated from single multivariable model including age, gender, ethnicity, NZDep and use of CGM.

<sup>2</sup>Mean difference, interpreted as difference in mean HbA1c versus the reference category where 0 equals no difference.

<sup>3</sup>Individuals identifying with multiple ethnicities are prioritised to a single ethnicity in the order listed.

**Figure 1:** Estimated mean HbA1c at 12 months across deprivation quintiles split by CGM use and ethnicity.



Continuous glucose monitoring = CGM; New Zealand Index of Deprivation = NZDep (1 = least deprived, 5 = most deprived). Individuals identifying with multiple ethnicities are prioritised to a single ethnicity in the order listed. Adjusted for: age and gender. Shown with 95% confidence intervals.

**Table 3:** Difference in mean HbA1c between children of Māori or European ethnicity, stratified by CGM use.

Glucose modality and ethnicity	HbA1c, mmol/mol	HbA1c difference (comparator group—reference group)	
	Mean (SD)	Unadjusted difference <sup>1</sup> (95% CI)	Adjusted difference <sup>2</sup> (95% CI)
Not using CGM			
Māori (n=13)	79.5 (19.7)	Ref	Ref
European (n=34)	65.9 (15.2)	-13.5 (-21.9, -5.1)	-10.8 (-19.4, -2.3)
Using CGM			
Māori (n=17)	62.1 (9.3)	Ref	Ref
European (n=115)	58.5 (12.4)	-3.6 (-10.3, 3.1)	-2.2 (-8.9, 4.5)

Continuous glucose monitoring = CGM; confidence interval = CI; Reference category = Ref.

<sup>1</sup>Unadjusted differences calculated from single multivariable model including ethnicity and use of CGM, with an interaction between ethnicity and use of CGM.

<sup>2</sup>Adjusted differences calculated from single multivariable model including age, gender, ethnicity, NZDep and use of CGM, with an interaction between ethnicity and use of CGM.