Table 1: Summary of demographic and clinical characteristics in participants across ethnic groups.

Demographic variable	NZ European (n=85)	Māori (n=85)	p-value
Age in years, mean (SD)	65.0 (11.8)	55.9 (12.5)	<0.01a
Gender, n (%)			**0.63b**
Male	58 (68.2%)	55 (64.7%)	
Female	27 (31.8%)	30 (35.3%)	
Employment status, n (%)			**0.02b**
Employed	42 (49.4%)	58 (68.2%)	
Unemployed	5 (5.9%)	6 (7.1%)	
Retired	37 (43.5%)	20 (23.5%)	
Missing data, n	1	1	
Education level, n (%)			**<0.01b**
High School	56 (65.9%)	73 (85.9%)	
Tertiary	29 (34.1%)	10 (11.8%)	
Missing data, n	0	2	
Currently smoking, n (%)			**<0.01b**
Yes	4 (4.7%)	17 (20.0%)	
No	81 (95.3%)	68 (80.0%)	
HbA1c (mmol/mol), mean (SD)	66.2 (17.6)	75.0 (22.4)	<0.01a
Duration of diabetes (years), mean (SD)	11.5 (7.9)	10.9 (8.6)	0.59a
Retinopathy, n (%)			
None	60 (70.6%)	50 (58.8%)	0.27bc
Mild	18 (21.2%)	23 (27.1%)	
Moderate–Severe	6 (7.1%)	12 (14.1%)	
Missing data, n	1	0	
Nephropathy, n (%)			**0.42bc**
None	53 (62.3%)	54 (63.5%)	
Stage 2 CKD	14 (16.5%)	13 (15.3%)	
Stage 3 CKD	15 (17.6%)	10 (11.8%)	
Stage 4–5 CKD	3 (3.5%)	8 (9.4%)	
Neuropathy, n (%)			**0.16b**
Present	11	19	
Absent	70	63	
Not in medical record	4	3	

Note: % = percentage of participants in that category.
CKD = chronic kidney disease.
p value was calculated by independent samples T-Tests[a] and Chi-squared tests.[b]
Chi-squared tests[c] were also not significant when data coded as no vs yes.

Table 2: Differences between Māori and New Zealand Europeans in illness perceptions.

	Ethnic group				Mean Difference	95%CI	t	df	p	d
	NZ European (n=85)		Māori (n=85)							
Illness perceptions	Mean	SD	Mean	SD						
Consequences	3.6	2.5	5.0	3.1	-1.5	[-2.3, -0.6]	-3.4	167	<0.01	0.5
Timeline	8.2	2.7	7.5	2.9	0.7	[-0.1, 1.5]	1.6	166	0.10	0.3
Personal control	6.8	2.5	6.1	2.5	0.7	[-0.1, 1.5]	1.7	167	0.08	0.3
Treatment control (diet)	8.6	1.9	8.8	1.8	-0.1	[-0.7, 0.4]	-0.4	167	0.69	0.3
Treatment control (exercise)	8.5	1.9	8.5	2.0	-	[-0.6, 0.6]	-0.0	167	0.98	0.0
Treatment control (medication)	7.7	2.4	7.4	2.6	0.3	[-0.4, 1.1]	0.9	162	0.37	0.1
Identity	2.6	2.6	4.8	2.7	-2.2	[-3.0, -1.4]	-5.4	164	<0.01	0.8
Illness concern	5.7	3.0	7.2	2.9	-1.5	[-2.3, -0.7]	-3.3	168	<0.01	0.5
Coherence	7.4	2.4	7.4	2.7	0.1	[-0.7, 0.8]	0.1	168	0.92	0.0
Emotional representations	3.3	3.1	5.0	3.3	-1.8	[-2.8, -0.7]	-3.6	166	<0.01	0.6

Table 3: Multivariate differences between Māori and NZ Europeans in illness perceptions controlling for age, employment status, education level, smoking and HbA1c.

	Ethnic group				Mean Difference	95%CI	F	df	p	η_p^2
	NZ European (n=85)		Māori (n=84)							
Illness perceptions	**Adj. Mean**	**SE**	**Adj. Mean**	**SE**						
Consequences	3.7	0.3	4.9	0.3	-1.2	[-2.1, -0.2]	5.6	157	0.02	0.0
Timeline	7.9	0.3	7.7	0.3	0.1	[-0.9, 1.1]	0.1	156	0.78	0.0
Personal control	6.3	0.3	6.5	0.3	-0.2	[-1.0, 0.6]	0.2	157	0.64	0.0
Treatment control (diet)	8.6	0.2	8.8	0.2	-0.2	[-0.9, 0.4]	0.4	157	0.52	0.0
Treatment control (exercise)	8.5	0.2	8.5	0.2	0.0	[-0.6, 0.7]	0.0	157	0.92	0.0
Treatment control (medication)	7.6	0.3	7.6	0.3	0.1	[-0.8, 0.9]	0.0	152	0.92	0.0
Identity	2.8	0.3	4.6	0.3	-1.8	[-2.7, -0.9]	15.7	154	<0.01	0.1
Illness concern	5.9	0.3	6.9	0.4	-1.0	[-2.0, 0.0]	3.6	158	0.06	0.0
Coherence	7.0	0.3	7.9	0.3	-0.9	[-1.7, -0.1]	5.1	158	0.03	0.0
Emotional representations	3.8	0.4	4.4	0.4	-0.6	[-1.6, 0.5]	1.1	156	0.30	0.0

Table 4: Chi-squared tests showing differences between Māori and NZ Europeans in causal perceptions of diabetes (categorised).

	Ethnic Group		χ^2	df	p	v
Causal categories	**NZ European (n=78)**	**Māori (n=18)**				
Food and drink related, n(%)	25 (32.1%)	45 (55.6%)	9.6	1	<0.01	0.2
Lifestyle, n(%)	6 (7.7%)	4 (4.9%)	0.4	1	0.50	0.1
Emotions and stressors, n(%)	7 (9.0%)	4 (4.9%)	0.9	1	0.34	0.1
Genetics, n(%)	16 (20.5%)	15 (18.5%)	0.1	1	0.81	0.0
Weight related, n(%)	17 (21.8%)	4 (4.9%)	9.4	1	<0.01	0.2
Other, n(%)	7 (9.0%)	9 (11.1%)	0.3	1	0.62	0.0

Table 5: Differences between Māori and NZ Europeans in self-care behaviours, measured from 0 (never) to 7 (every day).

	Ethnic group				Mean Difference	95% CI	t	df	p	d
	NZ European (n=85)		Māori (n=85)							
Days per week	**Mean**	**SD**	**Mean**	**SD**						
Diet	5.1	1.9	4.0	2.4	1.1	[0.5, 1.8]	3.3	158	<0.01	0.5
Exercise	3.7	2.4	3.5	2.7	0.3	[-0.5, 1.1]	0.7	168	0.47	0.1
Blood sugar testing	4.1	3.2	3.6	3.2	0.5	[-0.5, 1.4]	0.9	168	0.35	0.1
Foot care	2.7	2.8	3.3	2.9	-0.6	[-1.5, 0.2]	-1.4	166	0.16	0.2
Medication	6.6	1.2	6.0	2.2	0.6	[0.1, 1.2]	2.2	155	0.03	0.3

Table 6: Correlations between illness perceptions, HbA1c, and medication adherence in NZ Europeans (n=85) and Māori (n=85).

	HbA1c		**Medication adherence**	
	NZ European	**Māori**	**NZ European**	**Māori**
Consequences	**0.2**	0.1	-0.1	0.1
Timeline	0.1	-0.1	0.2	0.1
Personal control	-0.1	**-0.3**	0.0	0.2
Treatment control (diet)	0.1	-0.1	0.1	0.1
Treatment control (exercise)	**0.3**	0.0	0.0	0.1
Treatment control (medication)	0.2	-0.2	**0.3**	**0.3**
Identity	**0.3**	0.2	0.0	0.1
Illness concern	**0.3**	-0.1	0.1	**0.3**
Coherence	0.1	-0.1	0.1	0.1
Emotional representations	**0.4**	0.1	0.0	0.0

Note: Bolded *p* value indicates significance at the $p < 0.05$ level.