

Figure 1: Map showing location of diabetic retinal screening clinics in Te Tai Tokerau region.

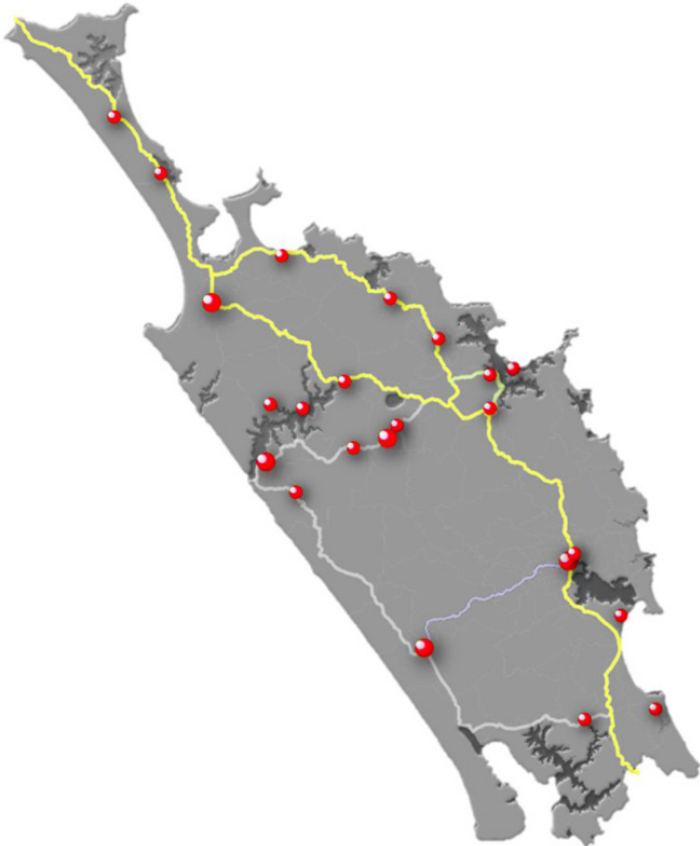


Table 1: Baseline distribution of people with diabetes in Te Tai Tokerau invited to attend retinal screening, May 2011–June 2020.

	Total number (col%)	Number of non-attenders (row%)	OR (95% CI) for non-attendance	p-value
Age (years)				
<35	411 (4.0)	244 (59.4)	2.79 (2.24–3.46)	
35–54	2,004 (19.5)	1,148 (57.3)	2.56 (2.26–2.90)	
55–74	5,412 (52.7)	2,593 (47.9)	1.75 (1.59–1.94)	
>75	2,448 (23.8)	842 (34.4)	1	<0.001*
Sex				
Male	5,575 (54.3)	2,569 (46.1)	1	
Female	4,689 (45.7)	2,257 (48.1)	1.09 (1.00–1.17)	0.038*
Ethnicity				
NZ European	5,311 (52.3)	1,829 (34.4)	1	
Māori	4,319 (42.5)	2,694 (62.4)	3.16 (2.89–3.44)	
Pacific peoples	211 (2.1)	122 (57.8)	2.61 (1.97–3.45)	
Asian	259 (2.6)	108 (41.7)	1.36 (1.06–1.75)	
Other	62 (0.6)	22 (35.5)	1.05 (0.62–1.77)	<0.001*
Socio-economic deprivation				
Low	948 (9.3)	322 (34.0)	1	
Medium	3,861 (37.7)	1,603 (41.5)	1.38 (1.19–1.60)	
High	5,436 (53.1)	2,889 (53.2)	2.21 (1.91–2.55)	<0.001*
Diabetes				
Type 1	618 (6.5)	297 (48.1)	1.18 (1.01–1.39)	
Type 2	8,941 (93.5)	3,923 (43.9)	1	0.04

*Significant p-values from Chi-squared tests.

Table 2: Factors associated with non-attendance at diabetic retinal screening in a multivariable model.

	OR (95% CI) for non-attendance	p-value
Age (years)		
<35	1.76 (1.37–2.72)	
35–54	1.60 (1.40–1.84)	
55–74	1.41 (1.27–1.57)	
>75	1	<0.001
Sex		
Male	1	
Female	1.02 (0.94–1.11)	0.67
Ethnicity		
NZ European	1	
Māori	2.72 (2.48–2.99)	<0.001
Pacific peoples	1.81 (1.33–2.47)	<0.001
Asian	1.30 (1.00–1.70)	0.054
Other	1.03 (0.60–1.77)	0.9
Socio-economic deprivation		
Low	1	
Medium	1.34 (1.15–1.58)	
High	1.55 (1.32–1.81)	<0.001
Type of diabetes		
Type 1	1.31 (1.09–1.58)	
Type 2	1	0.005