

Supplementary Table 1: Sensitivity analyses about current- and ex-smoker versus never smoker rate ratios (RR) for baseline model.

Scenario	% decline in 20 year olds smoking prevalence 2002 to 2011				Net annual cessation rate 2002 to 2011				
	Māori		Non-Māori		Age-group	Māori		Non-Māori	
	Male	Female	Male	Female		Male	Female	Male	Female
BAU	4.7 (2.2,7.1)	0.0 (-2.2,1.8)	3.1 (0.8,5.7)	1.1 (-1.2,3.2)	20-34	0.6 (-0.9,2.0)	1.4 (0.3,2.5)	3.2 (1.8,4.6)	4.4 (3.0,5.8)
					35-54	2.8 (1.4,4.2)	3.5 (2.6,4.6)	3.8 (2.8,4.9)	5.9 (5.0,6.9)
					55+	0.4 (-1.7,2.4)	5.8 (4.2,7.3)	4.5 (3.2,6.0)	6.1 (4.7,7.2)
Applying smoking RR from CPSII	4.6 (1.9,7.2)	-0.1 (-2.2,1.6)	3.2 (0.9,5.9)	1.2 (-1.0,3.3)	20-34	0.6 (-1.0,2.0)	1.4 (0.3,2.5)	3.3 (1.8,4.7)	4.4 (3.1,5.8)
					35-54	2.7 (1.3,4.0)	3.6 (2.7,4.5)	3.7 (2.7,4.7)	5.9 (4.9,7.0)
					55+	-0.3 (-2.6,1.8)	5.1 (3.5,6.7)	4.4 (2.8,5.8)	5.8 (4.4,7.2)
Applying smoking RR from 1996†	4.6 (2.1,7.3)	-0.1 (-2.1,1.7)	3.2 (0.5,5.8)	1.2 (-1.2,3.3)	20-34	0.6 (-0.8,2.1)	1.4 (0.3,2.3)	3.3 (1.9,4.8)	4.4 (3.1,5.8)
					35-54	2.7 (1.5,4.2)	3.5 (2.6,4.5)	3.9 (2.8,4.9)	5.9 (4.9,6.9)
					55+	0.7 (-1.5,2.7)	6.0 (4.5,7.5)	4.8 (3.4,6.3)	6.1 (4.8,7.4)

†no time trend included

Supplementary Table 2: Sensitivity analyses for forecast model.

Scenario	Smoking prevalence in 2025 (%)						Years required to reach the <5% goal (post 2025)					
	Māori			Non-Māori			Māori			Non-Māori		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
BAU	30.0 (25.2,35.6)	37.3 (33.2,42.0)	33.9 (30.5,37.5)	10.7 (9.5,12.1)	8.8 (7.8,10.1)	9.7 (8.9,10.6)	>36	>36	>36	24	28	26
Applying SoFIE net cessation rates	20.6 (13.1,33.4)	33.2 (25.3,42.8)	27.4 (21.5,34.9)	8.8 (7.2,10.8)	9.2 (7.6,11.2)	9.0 (7.9,10.3)	34	>36	>36	14	32	21