

Table S1. Distribution of meshblocks in each ward in Canterbury according to its associated NZDep2018 score (Q1 is the least deprived and Q5 is the most deprived). The number of dental practices providing AOHS is displayed for each ward.

Ward	Total meshblocks N	NZDep2018 score n (%)										Number of dental practices
		Q1	(%)	Q2	(%)	Q3	(%)	Q4	(%)	Q5	(%)	
Area Outside Ward	77	12	(15.6)	18	(23.4)	31	(40.3)	13	(16.9)	3	(3.9)	1
Ashburton	264	61	(23.1)	41	(15.5)	62	(23.5)	75	(28.4)	25	(9.5)	4
Banks Peninsula	191	69	(36.1)	87	(45.5)	32	(16.8)	3	(1.6)	0	(0.0)	1
Burwood	387	53	(13.7)	49	(12.7)	44	(11.4)	81	(20.9)	160	(41.3)	2
Cashmere	274	142	(51.8)	75	(27.4)	32	(11.7)	23	(8.4)	2	(0.7)	2
Central	513	9	(1.8)	47	(9.2)	177	(34.5)	136	(26.5)	144	(28.1)	17
Coastal	304	18	(5.9)	62	(20.4)	51	(16.8)	104	(34.2)	69	(22.7)	2
East	89	3	(3.4)	36	(40.4)	36	(40.4)	11	(12.4)	3	(3.4)	0
Eastern	158	28	(17.7)	62	(39.2)	42	(26.6)	21	(13.3)	5	(3.2)	0
Ellesmere	140	31	(22.1)	62	(44.3)	28	(20.0)	15	(10.7)	4	(2.9)	0
Fendalton	321	129	(40.2)	86	(26.8)	60	(18.7)	27	(8.4)	19	(5.9)	8
Halswell	347	175	(50.4)	79	(22.8)	51	(14.7)	33	(9.5)	9	(2.6)	2
Harewood	304	92	(30.3)	74	(24.3)	77	(25.3)	41	(13.5)	20	(6.6)	2
Heathcote	375	152	(40.5)	46	(12.3)	79	(21.1)	50	(13.3)	48	(12.8)	4
Hornby	296	33	(11.1)	32	(10.8)	73	(24.7)	128	(43.2)	30	(10.1)	2
Innes	365	46	(12.6)	71	(19.5)	104	(28.5)	103	(28.2)	41	(11.2)	4
Kaiapoi-Woodend	309	71	(23.0)	97	(31.4)	65	(21.0)	60	(19.4)	16	(5.2)	5
Linwood	328	1	(0.3)	6	(1.8)	22	(6.7)	116	(35.4)	183	(55.8)	3
Malvern	178	49	(27.5)	76	(42.7)	38	(21.3)	15	(8.4)	0	(0.0)	1
Oxford-Ohoka	164	68	(41.5)	60	(36.6)	29	(17.7)	7	(4.3)	0	(0.0)	1
Papanui	310	46	(14.8)	75	(24.2)	89	(28.7)	64	(20.6)	36	(11.6)	8
Rangiora-Ashley	283	94	(33.2)	87	(30.7)	43	(15.2)	36	(12.7)	23	(8.1)	5
Riccarton	254	16	(6.3)	30	(11.8)	64	(25.2)	97	(38.2)	47	(18.5)	9
Selwyn Central	236	186	(78.8)	39	(16.5)	9	(3.8)	2	(0.8)	0	(0.0)	3
South	83	14	(16.9)	43	(51.8)	9	(10.8)	17	(20.5)	0	(0.0)	0
Spreydon	280	25	(8.9)	56	(20.0)	82	(29.3)	70	(25.0)	47	(16.8)	4
Waimairi	255	48	(18.8)	81	(31.8)	76	(29.8)	46	(18.0)	4	(1.6)	4
West	177	41	(23.2)	65	(36.7)	48	(27.1)	16	(9.0)	7	(4.0)	0
Western	157	30	(19.1)	91	(58.0)	29	(18.5)	7	(4.5)	0	(0.0)	1

Table S2. Number of dental practices according to rural/urban classification in Canterbury.

IFUA2018 code	Rural/urban classification	FUA name	FUA type	Number of dental practices
101	Urban core	Ashburton	Medium regional centre	4
101	Urban core	Christchurch	Metropolitan area	73
102	Urban (other)	Christchurch	Metropolitan area	11
103	Urban (other)	Christchurch	Metropolitan area	2
201	Hinterland	Ashburton	Medium regional centre	0
201	Hinterland	Christchurch	Metropolitan area	2
901	Land area outside FUA	Land area outside FUA	Area outside FUA	4
902	Water area outside FUA	Water area outside FUA	Area outside FUA	0

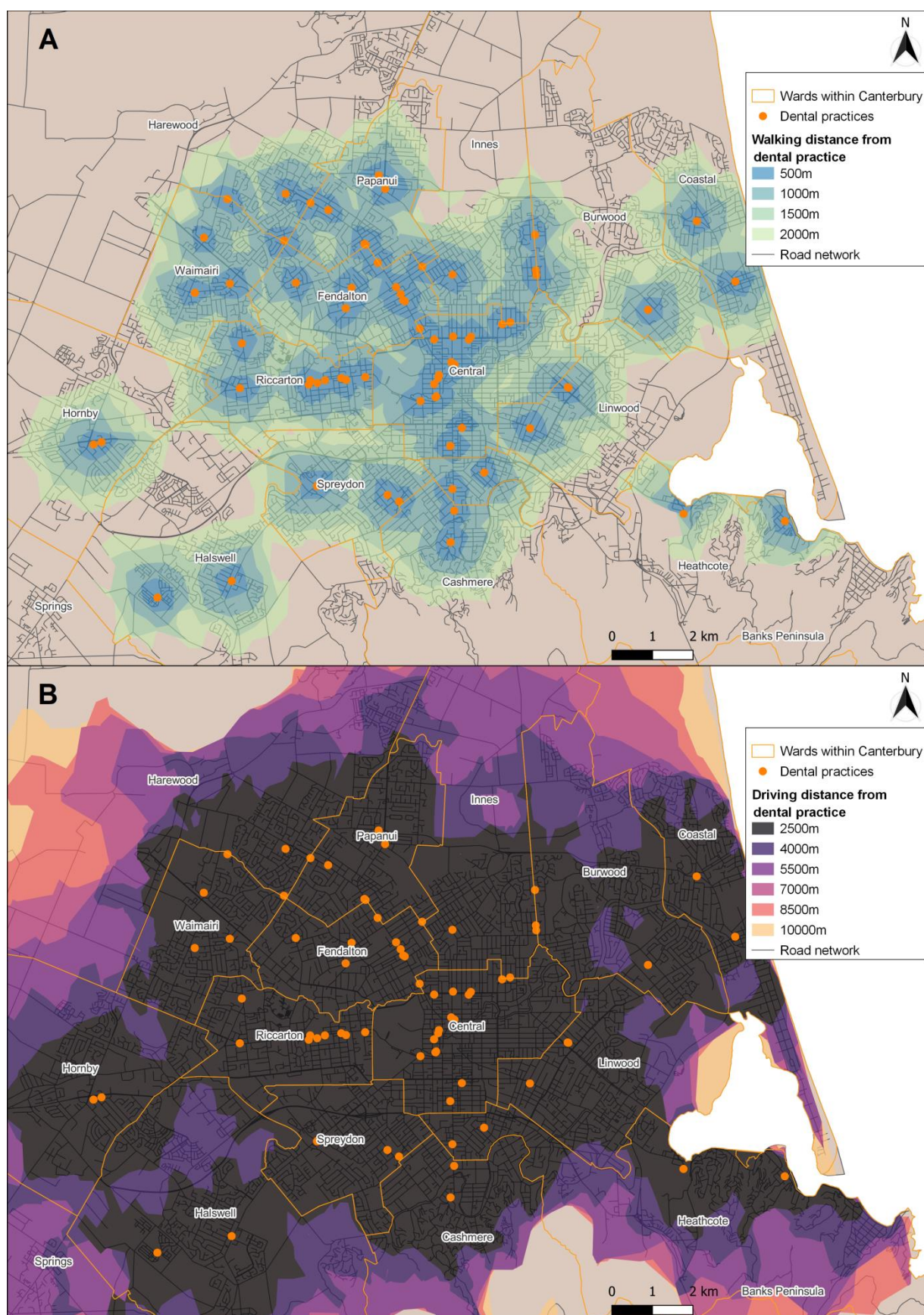


Figure S1. Service areas of dental practices providing AOHS across Christchurch City by: (A) walking distances of up to 2km, (B) driving distances of up to 10km on the road network. Service areas are illustrated by concentric polygons reflecting probable boundaries of the areas from which most patients are drawn.

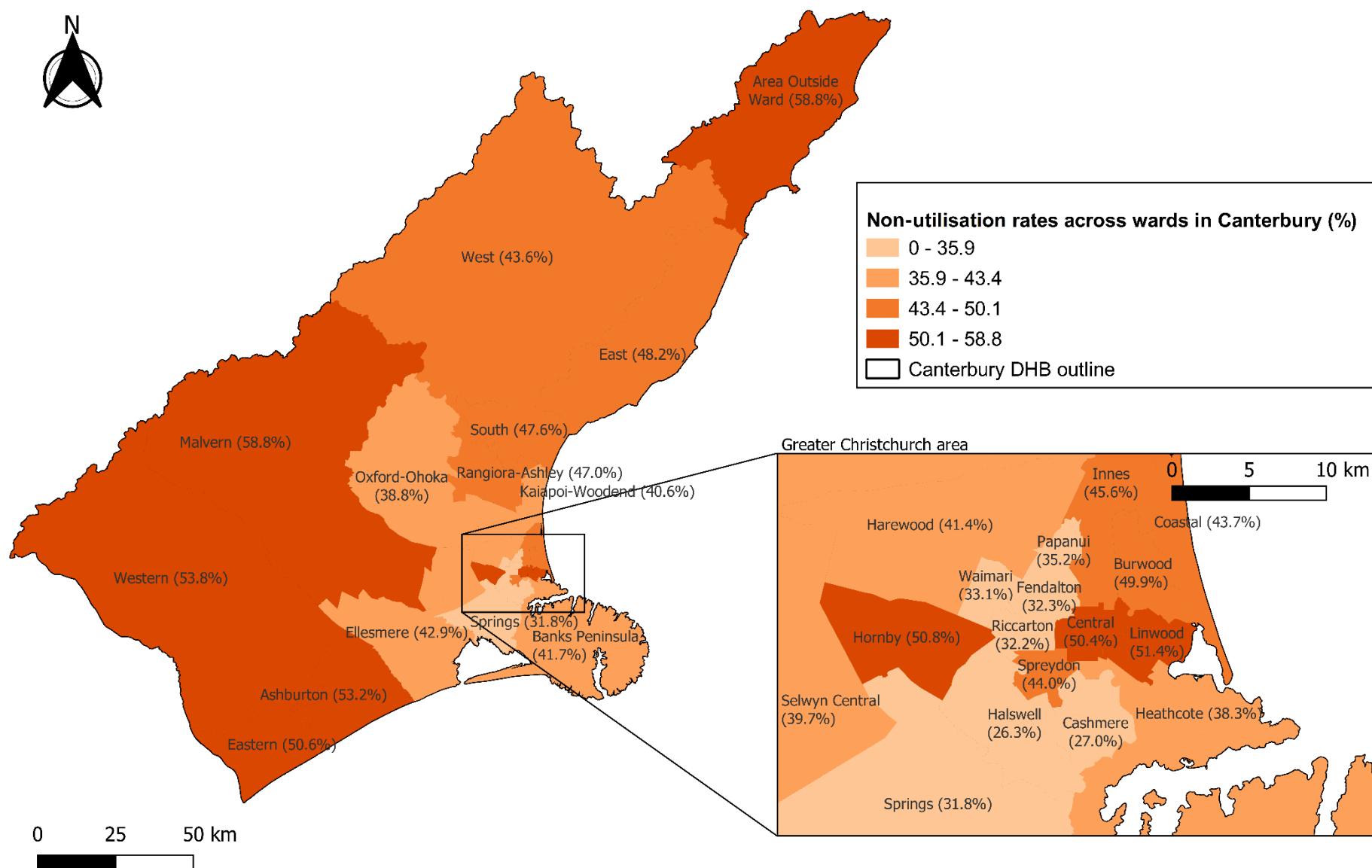


Figure S2. Non-utilisation rates of AOHS across wards in Canterbury for 2019-2020.