

Appendix Table 4: Bivariable analysis of other medication (N=992).

Variable	Total filled	Total pre-scribed	% filled	% lower 95	% upper 95	RR ^a	RR lower 95	RR upper 95	p-value	Group
Gender										
Male	160	251	63.7%	54.6%	74.4%	1.00				a
Female	187	318	58.8%	50.9%	67.9%	0.92	0.75	1.14	0.454	a
Age										
< 10	88	129	68.2%	55.3%	84.1%	1.00				a
10-17	22	44	50.0%	32.9%	76.0%	0.73	0.46	1.17	0.192	a
18-24	40	69	58.0%	42.5%	79.0%	0.85	0.58	1.23	0.393	a
25-44	83	145	57.2%	46.2%	71.0%	0.84	0.62	1.13	0.252	a
45-64	81	128	63.3%	50.9%	78.7%	0.93	0.69	1.25	0.626	a
> 64	33	54	61.1%	43.4%	86.0%	0.90	0.60	1.34	0.590	a
Ethnicity										
NZ European	76	119	63.9%	51.0%	80.0%	1.00				a
Asian	56	86	65.1%	50.1%	84.6%	1.02	0.72	1.44	0.912	a
MELAA ^b	4	8	50.0%	18.8%	133.3%	0.78	0.29	2.14	0.633	a
Māori	61	107	57.0%	44.3%	73.3%	0.89	0.64	1.25	0.509	a
Pacific	147	246	59.8%	50.8%	70.2%	0.94	0.71	1.23	0.638	a
Unknown	3	3	100.0%	32.2%	310.3%	1.57	0.49	4.96	0.446	a
Country of Birth										
NZ	209	332	63.0%	55.0%	72.1%	1.00				a
Outside NZ	118	197	59.9%	50.0%	71.8%	0.95	0.76	1.19	0.666	a
Unknown	20	40	50.0%	32.2%	77.5%	0.79	0.50	1.26	0.325	a
Suburb Deprivation^c										
1	2	3	66.7%	16.7%	266.8%	1.00				a
2	4	9	44.4%	16.7%	118.5%	0.67	0.12	3.64	0.640	a
3	2	4	50.0%	12.5%	200.1%	0.75	0.11	5.32	0.774	a
4	13	20	65.0%	37.7%	112.0%	0.97	0.22	4.32	0.973	a
5	9	9	100.0%	52.0%	192.3%	1.50	0.32	6.94	0.604	a
6	24	32	75.0%	50.3%	111.9%	1.12	0.27	4.76	0.873	a
7	9	12	75.0%	39.0%	144.2%	1.12	0.24	5.21	0.880	a
8	5	11	45.5%	18.9%	109.3%	0.68	0.13	3.51	0.647	a
9	135	211	64.0%	54.0%	75.7%	0.96	0.24	3.88	0.954	a
10	142	253	56.1%	47.6%	66.2%	0.84	0.21	3.40	0.809	a
Unknown	2	5	40.0%	10.0%	160.1%	0.60	0.08	4.26	0.609	a

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Language										
English	313	520	60.2%	53.9%	67.2%	1.00				a
Non-English	22	30	73.3%	48.3%	111.4%	1.22	0.79	1.88	0.371	a
Unknown	12	19	63.2%	35.9%	111.3%	1.05	0.59	1.87	0.870	a
Occupation										
Student	65	113	57.5%	45.1%	73.4%	1.00				a
Unemployed	28	60	46.7%	32.2%	67.6%	0.81	0.52	1.26	0.355	a
Homemaker	25	46	54.3%	36.7%	80.5%	0.94	0.60	1.50	0.809	a
Retired	28	47	59.6%	41.1%	86.3%	1.04	0.66	1.61	0.877	a
Other	76	109	69.7%	55.7%	87.3%	1.21	0.87	1.69	0.255	a
Employed	56	99	56.6%	43.5%	73.5%	0.98	0.69	1.41	0.927	a
Infant/child	60	85	70.6%	54.8%	90.9%	1.23	0.86	1.74	0.253	a
Unknown	9	10	90.0%	46.8%	173.0%	1.56	0.78	3.14	0.208	a
Regular GP										
Yes	338	552	61.2%	55.0%	68.1%	1.00				a
No	9	17	52.9%	27.5%	101.8%	0.86	0.45	1.68	0.667	a
Smoking										
No	281	437	64.3%	57.2%	72.3%	1.00				a
Yes	47	102	46.1%	34.6%	61.3%	0.72	0.53	0.98	0.034	b
Unknown	19	30	63.3%	40.4%	99.3%	0.98	0.62	1.57	0.949	a b
Items prescribed										
1	33	78	42.3%	30.1%	59.5%	1.00				a
2	80	140	57.1%	45.9%	71.2%	1.35	0.90	2.03	0.146	a b
3	116	169	68.6%	57.2%	82.3%	1.62	1.10	2.39	0.014	b c
4	67	84	79.8%	62.8%	101.4%	1.89	1.24	2.86	0.003	c
>4	51	98	52.0%	39.5%	68.5%	1.23	0.79	1.91	0.354	a b
Discharge month										
Autumn	208	343	60.6%	52.9%	69.5%	1.00				a
Winter	139	226	61.5%	52.1%	72.6%	1.01	0.82	1.26	0.897	a

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Discharge Day										
Sun	25	43	58.1%	39.3%	86.1%	1.00				a
Mon	90	147	61.2%	49.8%	75.3%	1.05	0.68	1.64	0.819	a
Tues	76	118	64.4%	51.4%	80.7%	1.11	0.71	1.74	0.657	a
Wed	44	70	62.9%	46.8%	84.5%	1.08	0.66	1.77	0.755	a
Thurs	46	69	66.7%	49.9%	89.0%	1.15	0.70	1.87	0.582	a
Fri	28	66	42.4%	29.3%	61.5%	0.73	0.43	1.25	0.252	a
Sat	38	56	67.9%	49.4%	93.3%	1.17	0.70	1.93	0.548	a
Discharge Time										
2400-0400	52	85	61.2%	46.6%	80.3%	1.00				a
0400-0800	35	55	63.6%	45.7%	88.7%	1.04	0.68	1.60	0.857	a
0800-1200	67	106	63.2%	49.7%	80.3%	1.03	0.72	1.48	0.860	a
1200-1600	60	83	72.3%	56.1%	93.1%	1.18	0.82	1.71	0.378	a
1600-2000	71	137	51.8%	41.1%	65.4%	0.85	0.59	1.21	0.363	a
2000-2400	62	103	60.2%	46.9%	77.2%	0.98	0.68	1.42	0.931	a
Unknown	0	0		7.7%	416.3%	0.93	0.13	6.67	0.941	a

^a RR: Rate ratio^b MELAA: Middle Eastern, Latin American and African^c Suburb deprivation: 1 represents areas of least deprived; 10 is most deprived.