

Appendix Table 2: Bivariable analysis of nonsteroidal anti-inflammatory drugs (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	233	370	63.0%	55.4%	71.6%	1.00				a
Female	172	306	56.2%	48.4%	65.3%	0.89	0.73	1.09	0.258	a
Age										
< 10	81	120	67.5%	54.3%	83.9%	1.00				b c
10-17	39	87	44.8%	32.7%	61.4%	0.66	0.45	0.97	0.036	a
18-24	57	114	50.0%	38.6%	64.8%	0.74	0.53	1.04	0.083	a b
25-44	115	196	58.7%	48.9%	70.4%	0.87	0.65	1.16	0.334	a b c
45-64	99	139	71.2%	58.5%	86.7%	1.06	0.79	1.42	0.720	c
> 64	14	20	70.0%	41.4%	118.2%	1.04	0.59	1.83	0.900	a b c
Ethnicity										
NZ European	100	156	64.1%	52.7%	78.0%	1.00				a b
Asian	74	123	60.2%	47.9%	75.6%	0.94	0.69	1.27	0.679	a b
MELAA ^b	12	13	92.3%	52.4%	162.6%	1.44	0.79	2.62	0.233	a
Māori	62	127	48.8%	38.1%	62.6%	0.76	0.55	1.05	0.092	b
Pacific	154	252	61.1%	52.2%	71.6%	0.95	0.74	1.23	0.710	a b
Unknown	3	5	60.0%	19.3%	186.2%	0.94	0.30	2.95	0.910	a b
Country of Birth										
NZ	226	413	54.7%	48.0%	62.3%	1.00				a
Outside NZ	155	225	68.9%	58.8%	80.6%	1.26	1.03	1.54	0.027	b
Unknown	24	38	63.2%	42.3%	94.3%	1.15	0.76	1.76	0.504	a b
Suburb Deprivation^c										
1	8	11	72.7%	36.4%	145.5%	1.00				a
2	11	22	50.0%	27.7%	90.3%	0.69	0.28	1.71	0.420	a
3	10	13	76.9%	41.4%	143.0%	1.06	0.42	2.68	0.906	a
4	25	39	64.1%	43.3%	94.9%	0.88	0.40	1.95	0.756	a
5	9	13	69.2%	36.0%	133.1%	0.95	0.37	2.47	0.919	a
6	18	29	62.1%	39.1%	98.5%	0.85	0.37	1.96	0.709	a
7	20	29	69.0%	44.5%	106.9%	0.95	0.42	2.15	0.899	a
8	10	16	62.5%	33.6%	116.2%	0.86	0.34	2.18	0.749	a
9	128	235	54.5%	45.8%	64.8%	0.75	0.37	1.53	0.428	a
10	165	267	61.8%	53.0%	72.0%	0.85	0.42	1.73	0.653	a
Unknown	1	2	50.0%	7.0%	355.4%	0.69	0.09	5.50	0.724	a

Appendix Table 2: Bivariable analysis of nonsteroidal anti-inflammatory drugs (N=992) (continued).

Variable	Total filled	Total pre-prescribed	% filled	% lower 95	% upper 95	RR ^a	RR lower 95	RR upper 95	p-value	Group
Language										
English	367	612	60.0%	54.1%	66.4%	1.00				a
Non-English	19	31	61.3%	39.1%	96.1%	1.02	0.64	1.62	0.926	a
Unknown	19	33	57.6%	36.7%	90.3%	0.96	0.61	1.52	0.863	a
Occupation										
Student	80	144	55.6%	44.6%	69.2%	1.00				a b
Unemployed	30	64	46.9%	32.8%	67.1%	0.84	0.55	1.28	0.427	a b
Homemaker	18	45	40.0%	25.2%	63.5%	0.72	0.43	1.20	0.208	a
Retired	10	16	62.5%	33.6%	116.2%	1.12	0.58	2.17	0.725	a b
Other	116	173	67.1%	55.9%	80.4%	1.21	0.91	1.60	0.196	b
Employed	79	126	62.7%	50.3%	78.2%	1.13	0.83	1.54	0.446	a b
Infant/child	60	90	66.7%	51.8%	85.9%	1.20	0.86	1.68	0.286	a b
Unknown	12	18	66.7%	37.8%	117.4%	1.20	0.65	2.20	0.556	a b
Regular GP										
Yes	395	654	60.4%	54.7%	66.7%	1.00				a
No	10	22	45.5%	24.4%	84.5%	0.75	0.40	1.41	0.375	a
Smoking										
No	315	511	61.6%	55.2%	68.8%	1.00				a
Yes	68	123	55.3%	43.6%	70.1%	0.90	0.69	1.17	0.416	a
Unknown	22	42	52.4%	34.5%	79.6%	0.85	0.55	1.31	0.460	a
Items prescribed										
1	15	35	42.9%	25.8%	71.1%	1.00				a b
2	127	248	51.2%	43.0%	60.9%	1.19	0.70	2.04	0.514	b
3	170	261	65.1%	56.0%	75.7%	1.52	0.90	2.58	0.120	a
4	71	100	71.0%	56.3%	89.6%	1.66	0.95	2.89	0.076	a
>4	22	32	68.8%	45.3%	104.4%	1.60	0.83	3.09	0.158	a b
Discharge month										
Autumn	211	346	61.0%	53.3%	69.8%	1.00				a
Winter	194	330	58.8%	51.1%	67.7%	0.96	0.79	1.17	0.713	a

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Variable	Total filled	Total pre-scribed	% filled	% lower 95	% upper 95	RR ^a	RR lower 95	RR upper 95	p-value	Group
Discharge Day										
Sun	49	75	65.3%	49.4%	86.5%	1.00				a
Mon	86	150	57.3%	46.4%	70.8%	0.88	0.62	1.25	0.466	a
Tues	87	134	64.9%	52.6%	80.1%	0.99	0.70	1.41	0.972	a
Wed	45	85	52.9%	39.5%	70.9%	0.81	0.54	1.21	0.308	a
Thurs	38	69	55.1%	40.1%	75.7%	0.84	0.55	1.29	0.429	a
Fri	44	77	57.1%	42.5%	76.8%	0.87	0.58	1.31	0.519	a
Sat	56	86	65.1%	50.1%	84.6%	1.00	0.68	1.46	0.986	a
Discharge Time										
2400-0400	76	137	55.5%	44.3%	69.5%	1.00				a b
0400-0800	52	82	63.4%	48.3%	83.2%	1.14	0.80	1.63	0.457	a b
0800-1200	77	104	74.0%	59.2%	92.6%	1.33	0.97	1.83	0.074	a
1200-1600	64	106	60.4%	47.2%	77.2%	1.09	0.78	1.52	0.618	a b
1600-2000	62	125	49.6%	38.7%	63.6%	0.89	0.64	1.25	0.513	b
2000-2400	74	121	61.2%	48.7%	76.8%	1.10	0.80	1.52	0.550	a b
Unknown	0	1	0.0%	0.0%	Inf	0.00	0.00	Inf	0.978	a b

^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.