

Appendix Table 3: Bivariable analysis of antibiotics (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	100	124	80.6%	66.3%	98.1%	1.00				a
Female	109	136	80.1%	66.4%	96.7%	0.99	0.76	1.30	0.964	a
Age										
< 10	82	97	84.5%	68.1%	105.0%	1.00				a
10-17	14	22	63.6%	37.7%	107.5%	0.75	0.43	1.33	0.326	a
18-24	24	31	77.4%	51.9%	115.5%	0.92	0.58	1.44	0.705	a
25-44	42	51	82.4%	60.8%	111.5%	0.97	0.67	1.41	0.890	a
45-64	33	44	75.0%	53.3%	105.5%	0.89	0.59	1.33	0.562	a
> 64	14	15	93.3%	55.3%	157.6%	1.10	0.63	1.95	0.732	a
Ethnicity										
NZ European	48	52	92.3%	69.5%	122.5%	1.00				a
Asian	25	34	73.5%	49.7%	108.8%	0.80	0.49	1.29	0.356	a
MELAA ^b	3	3	100.0%	32.2%	310.3%	1.08	0.34	3.48	0.893	a
Māori	35	49	71.4%	51.3%	99.5%	0.77	0.50	1.20	0.249	a
Pacific	98	122	80.3%	65.9%	97.9%	0.87	0.62	1.23	0.430	a
Unknown	0	0		16.4%	288.8%	0.75	0.18	3.04	0.683	a
Country of Birth										
NZ	140	177	79.1%	67.0%	93.4%	1.00				a
Outside NZ	62	75	82.7%	64.4%	106.0%	1.05	0.78	1.41	0.772	a
Unknown	7	8	87.5%	41.7%	183.6%	1.11	0.52	2.36	0.794	a
Suburb Deprivation^c										
1	0	0		9.0%	3249.0	1.00				a
2	1	3	33.3%	4.7%	236.9%	0.19	0.01	6.66	0.364	a
3	5	5	100.0%	41.6%	240.4%	0.58	0.03	12.54	0.731	a
4	8	9	88.9%	44.4%	177.8%	0.52	0.03	10.63	0.670	a
5	5	6	83.3%	34.7%	200.3%	0.49	0.02	10.45	0.645	a
6	11	15	73.3%	40.6%	132.5%	0.43	0.02	8.58	0.579	a
7	6	6	100.0%	44.9%	222.7%	0.58	0.03	12.28	0.729	a
8	5	6	83.3%	34.7%	200.3%	0.49	0.02	10.45	0.645	a
9	78	104	75.0%	60.1%	93.6%	0.44	0.02	8.34	0.583	a
10	89	105	84.8%	68.9%	104.3%	0.49	0.03	9.42	0.640	a
Unknown	1	1	100.0%	14.1%	710.9%	0.58	0.07	5.22	0.630	a

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Language										
English	186	230	80.9%	70.0%	93.4%	1.00				a
Non-English	10	13	76.9%	41.4%	143.0%	0.95	0.50	1.80	0.878	a
Unknown	13	17	76.5%	44.4%	131.7%	0.95	0.54	1.66	0.845	a
Occupation										
Student	49	61	80.3%	60.7%	106.3%	1.00				a
Unemployed	14	19	73.7%	43.6%	124.5%	0.92	0.51	1.66	0.776	a
Homemaker	11	19	57.9%	32.0%	104.6%	0.72	0.37	1.39	0.326	a
Retired	13	14	92.9%	53.9%	160.0%	1.16	0.63	2.13	0.642	a
Other	38	43	88.4%	64.3%	121.5%	1.10	0.72	1.68	0.659	a
Employed	29	37	78.4%	54.5%	112.8%	0.98	0.62	1.54	0.916	a
Infant/child	52	62	83.9%	63.9%	110.1%	1.04	0.71	1.54	0.828	a
Unknown	3	5	60.0%	19.3%	186.2%	0.75	0.23	2.40	0.624	a
Regular GP										
Yes	203	249	81.5%	71.0%	93.6%	1.00				a
No	6	11	54.5%	24.5%	121.5%	0.67	0.30	1.51	0.332	a
Smoking										
No	164	200	82.0%	70.4%	95.6%	1.00				a
Yes	36	48	75.0%	54.1%	104.0%	0.91	0.64	1.31	0.628	a
Unknown	9	12	75.0%	39.0%	144.2%	0.91	0.47	1.79	0.794	a
Items prescribed										
1	44	56	78.6%	58.5%	105.6%	1.00				a
2	49	58	84.5%	63.8%	111.8%	1.08	0.72	1.62	0.727	a
3	77	96	80.2%	64.1%	100.3%	1.02	0.70	1.48	0.913	a
4	26	37	70.3%	47.8%	103.2%	0.89	0.55	1.45	0.652	a
>4	13	13	100.0%	58.0%	172.3%	1.27	0.69	2.36	0.445	a
Discharge month										
Autumn	115	134	85.8%	71.5%	103.0%	1.00				a
Winter	94	126	74.6%	60.9%	91.3%	0.87	0.66	1.14	0.314	a

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Discharge Day										
Sun	22	26	84.6%	55.7%	128.5%	1.00				a
Mon	47	67	70.1%	52.7%	93.4%	0.83	0.50	1.38	0.468	a
Tues	50	56	89.3%	67.7%	117.8%	1.06	0.64	1.74	0.834	a
Wed	30	40	75.0%	52.4%	107.3%	0.89	0.51	1.54	0.667	a
Thurs	16	21	76.2%	46.7%	124.4%	0.90	0.47	1.71	0.750	a
Fri	17	21	81.0%	50.3%	130.3%	0.96	0.51	1.80	0.891	a
Sat	27	29	93.1%	63.8%	135.8%	1.10	0.63	1.93	0.739	a
Discharge Time										
2400-0400	34	42	81.0%	57.8%	113.3%	1.00				a
0400-0800	30	36	83.3%	58.3%	119.2%	1.03	0.63	1.68	0.908	a
0800-1200	38	49	77.6%	56.4%	106.6%	0.96	0.60	1.52	0.856	a
1200-1600	19	23	82.6%	52.7%	129.6%	1.02	0.58	1.79	0.944	a
1600-2000	41	53	77.4%	56.9%	105.1%	0.96	0.61	1.51	0.845	a
2000-2400	47	57	82.5%	61.9%	109.8%	1.02	0.66	1.58	0.935	a
Unknown	0	0		10.1%	556.3%	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.