

Supplementary Table 2

Association between number of hospital admissions and medication discontinuation at follow-up

	Antithrombotics (B01)		Lipid-lowering (C10)		Thyroid meds(H03)		Respiratory inhalers (R03)	
	Unadjusted OR (95%CI, p-value)	Adjusted OR (95%CI, p-value)	Unadjusted OR (95%CI, p-value)	Adjusted OR (95%CI, p-value)	Unadjusted OR (95%CI, p-value)	Adjusted OR (95%CI, p-value)	Unadjusted OR (95%CI, p-value)	Adjusted OR (95%CI, p-value)
Hospitalised v non-hospitalised	1.05 (0.99,1.11), p=0.09	1.06 (0.98,1.12), p=0.49	1.06 (1.00,1.12), p=0.03	1.03 (0.97,1.10), p=0.26	0.84 (0.65,1.08), p=0.18	0.79 (0.59,1.06), p=0.11	0.84 (0.74,0.96), p=0.01	0.87 (0.76,0.99), p=0.03
Age (years)	1.02 (1.01,1.03), p<0.001	1.02 (1.02,1.04), p<0.001	1.04 (1.03,1.05), p<0.001	1.05 (1.04,1.06), p<0.001	1.03 (1.01,1.05), p=0.002	1.06 (1.04,1.08), p<0.001	1.02 (1.01,1.03), p=0.004	1.03 (1.02,1.05), p<0.001
<u>Gender:</u> Female v Male	1.02 (0.89,1.17), p=0.79	1.01 (0.87,1.16), p=0.90	0.85 (0.74,0.96), p=0.01	0.83 (0.72,0.95), p=0.01	0.84 (0.57,1.24), p=0.38	0.85 (0.56,1.30), p=0.46	1.04 (0.85,1.28), p=0.68	1.04 (0.84,1.28), p=0.74
<u>Insurance type:</u> Private v GMS/DVC patients	5.10 (4.31,6.04), p<0.001	5.38 (4.54,6.39), p<0.001	4.78 (4.06,5.62), p<0.001	5.69 (4.80,6.74), p<0.001	9.79 (6.90,13.89), p<0.001	11.69 (8.04,16.96), p<0.001	3.66 (2.78,4.82), p<0.001	3.79 (2.87,5.02), p<0.001
Number of repeat drug classes	0.99 (0.98,1.01), p=0.56	0.99 (0.97,1.01), p=0.25	1.01 (1.00,1.04), p=0.04	1.01 (0.99,1.03), p=0.28	0.98 (0.95,1.02), p=0.41	0.98 (0.93,1.03), p=0.44	0.97 (0.94,0.99), p=0.01	0.97 (0.94,0.99), p=0.02
<u>Charlson score</u> (>=1 v0)	0.93 (0.80,1.07), p=0.31	0.93 (0.80,1.09), p=0.37	1.05 (0.91,1.21), p=0.48	0.97 (0.84,1.13), p=0.70	0.78 (0.56,1.08), p=0.15	0.79 (0.54,1.15), p=0.21	0.66 (0.53,0.81), p<0.001	0.71 (0.57,0.88), p=0.001
No of consultations in enrolment period	1.00 (0.99,1.01), p=0.62	1.00 (0.99,1.01), p=0.78	1.00 (0.99,1.01), p=0.69	1.00 (0.99,1.01), p=0.89	0.99 (0.97,1.00), p=0.11	1.00 (0.98,1.02), p=0.90	0.99 (0.98,1.00), p=0.02	1.00 (0.99,1.01), p=0.64

Adjusted model includes gender, age, insurance type, Charlson Index, number of repeat drugs, number of consultations in the enrolment period

GMS: General Medical Services

DVC: Doctor Visit Card

OR: odds ratio

CI: confidence interval