

Supplementary Table: Sensitivity analysis of time varying exposures for HMR hazard ratio (HR) and its 95% confidence interval (CI)

	i) current setting	ii) Excluding cases recruited earlier than 2008	iii) Excluding cases with historical HMR (past 3-years)	iv) Excluding cases with baseline age <65 years
<b>Number of medications</b>				
0-4	1.00	1.00	1.00	1.00
5-9	6.07(5.58,6.59)	5.98(5.45,6.57)	6.12(5.60,6.70)	4.78(4.32,5.27)
≥10	12.46(11.42,13.59)	12.38(11.23,13.64)	12.31(11.21,13.52)	9.15(8.26,10.15)
<b>Polypharmacy</b>				
None(<5 drugs)	1.00	1.00	1.00	1.00
Yes(≥5 drugs)	7.76(7.16,8.41)	7.68(7.02,8.41)	7.73(7.09,8.43)	5.98(5.44,6.58)
<b>Beers Criteria List medicines</b>				
No	1.00	1.00	1.00	1.00
Yes	2.91(2.74,3.09)	2.96(2.77,3.17)	2.93(2.75,3.13)	2.34(2.18,2.51)
<b>NTI medicines</b>				
No	1.00	1.00	1.00	1.00
Yes	2.32(2.20,2.45)	2.29(2.16,2.44)	2.30(2.17,2.44)	2.02(1.90,2.16)
<b>DBI medicines</b>				
No	1.00	1.00	1.00	1.00
Yes	2.67(2.53,2.81)	2.66(2.51,2.82)	2.63(2.48,2.78)	2.27(2.13,2.41)
<b>Hospitalisations</b>				
No	1.00	1.00	1.00	1.00
Yes	1.34(1.11,1.61)	1.35(1.10,1.67)	1.36(1.11,1.67)	1.18(0.96,1.46)
<b>Number of different doctors</b>				
≤2	1.00	1.00	1.00	1.00
3 or 4	3.04(2.82,3.28)	3.03(2.78,3.30)	3.06(2.82,3.32)	2.74(2.50,3.00)
≥5	5.41(5.04,5.82)	5.50(5.07,5.97)	5.49(5.08,5.94)	4.65(4.27,5.06)