

Online Resource 5. Table 1. Cox hazard ratios for suicide and suicide attempts by use patterns of antidepressants*

Variable	Suicide=294		Suicide attempts=654	
	Unadjusted HR (95% CI)	Adjusted HR ^a (95% CI)	Unadjusted HR (95% CI)	Adjusted HR ^a (95% CI)
Early discontinuation ^b	0.71 (0.40-1.26)	0.86 (0.48-1.55)	0.77 (0.53-1.11)	1.07 (0.73-1.56)
Combination use of ≥ 2 antidepressants ^c	2.36 (1.42-3.91)	1.21 (0.71-2.06)	1.76 (1.20-2.60)	0.90 (0.60-1.35)
Switch to another antidepressant ^d	3.36 (2.35-4.80)	2.49 (1.71-3.62)	2.39 (1.82-3.14)	1.71 (1.29-2.27)
Medication possession ratio of antidepressants $\geq 80\%$ ^e	1.25 (0.97-1.62)	1.05 (0.81-1.37)	0.99 (0.84-1.17)	0.86 (0.73-1.02)
Concomitant use of psychotropic medications ^f				
Hypnotics	2.57 (1.99-3.31)	2.21 (1.71-2.87)	3.53 (2.94-4.25)	2.81 (2.33-3.39)
Anxiolytics	1.75 (1.38-2.21)	1.51 (1.18-1.92)	2.47 (2.11-2.90)	2.08 (1.76-2.45)
Antipsychotics	1.51 (1.07-2.11)	1.24 (0.87-1.76)	1.67 (1.36-2.11)	1.28 (1.02-1.60)
Anti-dementia drugs	0.43 (0.25-0.74)	0.43 (0.25-0.74)	0.37 (0.25-0.55)	0.40 (0.27-0.59)
Mood stabilisers	0.80 (0.33-1.95)	0.66 (0.27-1.60)	1.54 (1.00-2.38)	1.30 (0.84-2.02)

SHR: Sub-hazard ratio

*Due to partially missing data, 210 persons were excluded from the regression analysis

^a Adjusted for age, sex, suicide attempt within one year preceding the index date, serious depression, use of statins (a proxy of cardiovascular comorbidity), and nursing home residence

^b Reference group: those who did not discontinue their treatment within 180 days following the index date

^c Reference group: those who did not combine two antidepressants within 180 days following the index date

^d Reference group: those who did not switch to another antidepressant within 180 days following the index date

^e The proportion of days covered by antidepressant medications during the follow-up period. (Threshold of MPR to define adherence $\geq 80\%$)

^f Reference group: those who did not use the specified psychotropic medication within 90 days following the refill of an antidepressant