SUPPLEMENTAL MATERIAL

Supplemental Table 1. Multivariate hazard ratio (95% confidence intervals) of stroke risk according to depression status in different subgroups in the Nurses' Health Study (2000-2006).[*]

Stratified factors	No. of stroke	No depression	Depression	P for interaction
Age Group, years				
<70	286	1.00	1.51 (1.17-1.93)	
≥70	747	1.00	1.21 (1.02-1.42)	0.23
History of Hypertension				
No	273	1.00	1.28 (0.96-1.69)	
Yes	760	1.00	1.29 (1.10-1.51)	0.90
History of Hypercholesterolemia				
No	274	1.00	1.36 (1.03-1.79)	
Yes	759	1.00	1.27 (1.08-1.48)	0.93
History of diabetes				
No	841	1.00	1.28 (1.09-1.49)	
Yes	192	1.00	1.32 (0.98-1.79)	0.60
History of heart diseases				
No	785	1.00	1.37 (1.17-1.61)	
Yes	248	1.00	1.08 (0.83-1.42)	0.26
History of cancer				
No	822	1.00	1.29 (1.10-1.50)	0.87

Yes	211	1.00	1.31 (0.97-1.76)

*Adjusted for age (continuous), marital status, parental history of myocardial infarction, ethnicity, physical activity level body mass index, alcohol consumption, smoking status, menopausal status, postmenopausal hormone therapy, current aspirin use, current multivitamin use, Dietary Approaches to Stop Hypertension dietary score, history of hypertension, hypercholesterolemia, diabetes, cancer and heart diseases; but not for stratified factor itself.

Supplemental Table 2. Hazard ratio (95% confidence intervals) of incident stroke according to the types of antidepressant medication use: Nurses' Health Study (2000-2006).

Outcome	No ADM use	ADM use	Further categorized according to types of ADMs		
			SSRIs	Other ADMs (mainly TCAs)	SSRIs plus other ADMs
Total Stroke					
Cases/Person-years	893/409753	140/49303	97/31661	38/14972	5/2669
Age-adjusted model	1.00	1.50 (1.25-1.79)	1.60 (1.29-1.97)	1.33 (0.96-1.83)	1.22 (0.51-2.94)
Multivariate model 1	1.00	1.37 (1.14-1.64)	1.47 (1.19-1.81)	1.21 (0.87-1.68)	1.07 (0.44-2.58)
Multivariate model 2	1.00	1.30 (1.08-1.55)	1.39 (1.13-1.72)	1.14 (0.82-1.58)	0.99 (0.41-2.39)
Hemorrhagic Stroke					
Cases/Person-years	109/410479	15/49412	10/31736	5/15003	0/2674
Age-adjusted model	1.00	1.28 (0.75-2.21)	1.33 (0.70-2.55)	1.36 (0.56-3.35)	-
Multivariate model 1	1.00	1.21 (0.70-2.09)	1.27 (0.66-2.45)	1.26 (0.51-3.10)	-
Multivariate model 2	1.00	1.19 (0.69-2.06)	1.25 (0.65-2.41)	1.24 (0.50-3.05)	-
Ischemic Stroke					
Cases/Person-years	468/410117	70/49366	45/31707	21/14990	4/2669
Age-adjusted model	1.00	1.43 (1.12-1.84)	1.42 (1.05-1.93)	1.41 (0.91-2.18)	1.84 (0.69-4.93)
Multivariate model 1	1.00	1.29 (1.00-1.67)	1.29 (0.95-1.75)	1.26 (0.81-1.96)	1.62 (0.60-4.33)
Multivariate model 2	1.00	1.23 (0.95-1.58)	1.23 (0.90-1.67)	1.19 (0.76-1.84)	1.50 (0.56-4.03)
Stroke of Unknown Type					
Cases/Person-years	316/410320	55/49382	42/31710	12/14999	1/2673

Age-adjusted model	1.00	1.66 (1.25-2.22)	1.95 (1.41-2.69)	1.19 (0.67-2.12)	-
Multivariate model 1	1.00	1.53 (1.14-2.04)	1.79 (1.29-2.47)	1.10 (0.62-1.97)	-
Multivariate model 2	1.00	1.43 (1.07-1.92)	1.68 (1.21-2.33)	1.03 (0.58-1.83)	-

Abbreviations: ADM, antidepressant medication; SSRI, selective serotonin reuptake inhibitor; TCA, tricyclic antidepressant.

Multivariate model 1: adjusted for age, marital status, parental history of myocardial infarction, ethnicity, physical activity level, body mass index, alcohol consumption, smoking status, menopausal status, postmenopausal hormone therapy, current aspirin use, current multivitamin use, Dietary Approaches to Stop Hypertension dietary score.

Multivariate model 2: multivariate model 1 plus history of hypertension, hypercholesterolemia, diabetes, cancer and heart diseases.