

**Supplementary Table 1** Sensitivity analyses of ORs (95% CIs) of antioxidant vitamins intake for hyperhomocysteinemia prevalence in multivariable-adjusted model among the patients with hypertension <sup>#</sup>

	Q1	Q2	Q3	Q4	<i>P</i> for trend
Without cardiovascular events (n=1245)					
Vitamin C	1.00 (Ref.)	0.92 (0.63, 1.35)	0.54 (0.35, 0.84)	0.41 (0.21, 0.80)	0.003
Vitamin E	1.00 (Ref.)	1.14 (0.79, 1.64)	0.95 (0.66, 1.39)	0.90 (0.62, 1.31)	0.425
Carotenes	1.00 (Ref.)	1.25 (0.85, 1.84)	0.67 (0.43, 1.04)	0.77 (0.41, 1.44)	0.178
Retinol	1.00 (Ref.)	1.05 (0.73, 1.50)	0.61 (0.43, 0.94)	0.78 (0.50, 1.34)	0.836
Lutein	1.00 (Ref.)	1.04 (0.71, 1.53)	0.74 (0.48, 1.14)	0.63 (0.33, 1.20)	0.104
Without tHcy-lowering drug-using (n=1360)					
Vitamin C	1.00 (Ref.)	0.85 (0.58, 1.24)	0.49 (0.31, 0.78)	0.44 (0.22, 0.86)	0.007
Vitamin E	1.00 (Ref.)	1.07 (0.74, 1.55)	0.98 (0.68, 1.42)	0.95 (0.66, 1.37)	0.685
Carotenes	1.00 (Ref.)	1.27 (0.87, 1.85)	0.69 (0.44, 1.07)	0.67 (0.35, 1.28)	0.090
Retinol	1.00 (Ref.)	0.84 (0.59, 1.20)	0.56 (0.38, 0.84)	0.85 (0.54, 1.35)	0.837
Lutein	1.00 (Ref.)	0.88 (0.60, 1.29)	0.74 (0.47, 1.15)	0.60 (0.31, 1.16)	0.115

<sup>#</sup>: Adjusted for age, sex, BMI, sedentary time (< 3 h/d' as the reference), supplement use ('no' as the reference), dietary intake of folate, vitamin B<sub>6</sub> and vitamin B<sub>12</sub>.