

Additional Table 1. Results of the adjusted regression analysis investigating an association between severe psychological distress and spousal alcohol consumption using multiple imputation

Spouses' alcohol consumption	Individuals' own alcohol consumption							
	Total		None/seldom		Moderate		Heavy	
	Adjusted PR (95% CI)*	p-value	Adjusted PR (95% CI)*	p-value	Adjusted PR (95% CI)*	p-value	Adjusted PR (95% CI)*	p-value
Alcohol consumption of wives								
None/seldom	1.00 (0.89, 1.13)	0.960	0.93 (0.75, 1.15)	0.491	1.03 (0.86, 1.24)	0.729	1.11 (0.84, 1.45)	0.462
Moderate	Reference		Reference		Reference		Reference	
Heavy	0.98 (0.81, 1.19)	0.847	0.88 (0.59, 1.32)	0.539	1.17 (0.87, 1.58)	0.294	0.88 (0.63, 1.25)	0.482
Alcohol consumption of husbands								
None/seldom	1.19 (1.09, 1.31)	<0.001	1.16 (1.04, 1.29)	0.008	1.37 (1.10, 1.70)	0.004	1.32 (0.96, 1.82)	0.091
Moderate	Reference		Reference		Reference		Reference	
Heavy	1.15 (1.02, 1.29)	0.018	1.24 (1.07, 1.44)	0.003	1.00 (0.77, 1.30)	0.988	1.07 (0.81, 1.42)	0.616

PR, prevalence ratio; CI, confidence interval

* Age, sex, individuals' own and their spouses' educational attainments, individuals' own and their spouses' employment statuses, individuals' own and their spouses' smoking statuses, individuals' own and their spouses' alcohol consumption, an interaction term between individuals' own alcohol consumption and sex, an interaction term between spouses' alcohol consumption and sex, and year were used as the explanatory variables. In the subgroup analysis by individuals' own alcohol consumption, individuals' own alcohol consumption and its interaction term were not used as explanatory variables.

Additional Table 2. Results of the adjusted regression analysis investigating an association between severe psychological distress and spousal drinking history using multiple imputation

Spouses' drinking history	Individuals' own drinking history							
	Total		Current		Former		Never	
	Adjusted PR (95% CI)*	p-value	Adjusted PR (95% CI)*	p-value	Adjusted PR (95% CI)*	p-value	Adjusted PR (95% CI)*	p-value
Drinking history of wives								
Current	Reference		Reference		Reference		Reference	
Former	1.21 (0.88, 1.68)	0.241	1.17 (0.80, 1.73)	0.416	0.72 (0.22, 2.38)	0.586	1.69 (0.91, 3.15)	0.097
Never	1.01 (0.91, 1.11)	0.907	1.02 (0.91, 1.15)	0.700	0.90 (0.56, 1.44)	0.667	0.98 (0.79, 1.21)	0.853
Drinking history of husbands								
Current	Reference		Reference		Reference		Reference	
Former	1.50 (1.20, 1.89)	<0.001	1.50 (1.00, 2.26)	0.052	0.57 (0.18, 1.79)	0.337	1.58 (1.20, 2.10)	0.001
Never	1.14 (1.03, 1.27)	0.013	1.36 (1.16, 1.60)	<0.001	0.93 (0.53, 1.64)	0.809	1.02 (0.89, 1.18)	0.728

PR, prevalence ratio; CI, confidence interval

* Age, sex, individuals' own and their spouses' educational attainments, individuals' own and their spouses' employment statuses, individuals' own and their spouses' smoking statuses, individuals' own and their spouses' drinking histories, an interaction term between individuals' own drinking history and sex, an interaction term between spouses' drinking history and sex, and year were used as the explanatory variables. In the subgroup analysis by individuals' own drinking history, individuals' own drinking history and its interaction term were not used as explanatory variables.