

Supplemental Table 1. Socioeconomic status of participants by depressive and anxiety disorders

	Depressive disorders			Anxiety disorders		
	No (n=7826)	Yes (n=2074)	<i>P</i> value	No (n=8388)	Yes (n=1512)	<i>P</i> value
Place of residence			<0.001			<0.001
Urban	4048 (51.7)	897 (43.3)		4340 (51.7)	605 (40.0)	
Rural	3778 (48.3)	1177 (56.7)		4048 (48.3)	907 (60.0)	
Education			0.370			0.410
High school and below	7206 (92.1)	1922 (92.7)		7726 (92.1)	1402 (92.7)	
College or graduate school	620 (7.9)	152 (7.3)		662 (7.9)	110 (7.3)	
Average monthly household income, CNY			<0.001			<0.001
<3000	3046 (38.9)	1072 (51.7)		3327 (39.7)	791 (52.3)	
≥3000	4780 (61.1)	1002 (48.3)		5061 (60.3)	721 (47.7)	

Abbreviation: CNY=China Yuan.

Supplemental Table 2. ORs (95% CIs) for depressive and anxiety disorders according to hypertension status in comparison with non-hypertensive participants in eastern China

	Unadjusted model		Adjusted model	
	OR (95% CIs)	<i>P</i> value	OR (95% CIs)	<i>P</i> value
Depressive disorders				
Place of residence				
Urban	1.66 (1.15, 2.39)	0.006	1.21 (0.79, 1.85) ^a	0.381
Rural	1.41 (1.03, 1.91)	0.030	1.19 (0.82, 1.73) ^a	0.368
Education				
High school and below	1.48 (1.17, 1.87)	0.001	1.25 (0.94, 1.65) ^b	0.123
College or graduate school	0.65 (0.08, 5.26)	0.688	0.20 (0.01, 2.78) ^b	0.230
Average monthly household income, CNY				
<3000	1.49 (1.05, 2.12)	0.025	1.29 (0.85, 1.95) ^c	0.239
≥3000	1.37 (0.99, 1.89)	0.055	1.20 (0.83, 1.75) ^c	0.334
Anxiety disorders				
Place of residence				
Urban	1.64 (1.07, 2.50)	0.023	1.31 (0.80, 2.13) ^a	0.282
Rural	1.57 (1.12, 2.19)	0.008	1.87 (1.24, 2.84) ^a	0.003
Education				
High school and below	1.55 (1.20, 2.02)	0.001	1.62 (1.19, 2.21) ^b	0.003
College or graduate school	-	-	-	-
Average monthly household income, CNY				
<3000	1.47 (0.98, 2.21)	0.064	1.52 (0.93, 2.50) ^c	0.096
≥3000	1.61 (1.14, 2.28)	0.006	1.70 (1.14, 2.54) ^c	0.010

Values are odds ratios (95% confidence intervals). Adjusted model was adjusted for age, place of residence, education, employment status, marital status, average monthly household income, drinking, smoking, regular physical activity, body mass index, diabetes mellitus and dyslipidemia. Participants who were not diagnosed with hypertension were considered as the reference group.

Abbreviation: OR=odds ratio; CI=confidence interval; CNY=China Yuan.

^a Adjusted model was not adjusted for place of residence.

^b Adjusted model was not adjusted for education.

^c Adjusted model was not adjusted for average monthly household income.

There is no participant having both anxiety disorders and hypertension in participant with education levels of college or graduate school in eastern China.

Supplemental Table 3. ORs (95% CIs) for depressive and anxiety disorders according to hypertension status in comparison with non-hypertensive participants in central China

	Unadjusted model		Adjusted model	
	OR (95% CIs)	<i>P</i> value	OR (95% CIs)	<i>P</i> value
Depressive disorders				
Place of residence				
Urban	1.59 (1.16, 2.19)	0.004	1.34 (0.93, 1.94) ^a	0.117
Rural	1.68 (1.28, 2.21)	<0.001	1.38 (1.09, 1.74) ^a	0.008
Education				
High school and below	1.66 (1.34, 2.04)	<0.001	1.25 (0.94, 1.65) ^b	0.123
College or graduate school	1.27 (0.41, 3.96)	0.675	0.77 (0.16, 3.80) ^b	0.479
Average monthly household income, CNY				
<3000	1.56 (1.14, 2.12)	0.005	1.38 (0.98, 1.94) ^c	0.069
≥3000	1.60 (1.21, 2.12)	<0.001	1.34 (0.97, 1.86) ^c	0.075
Anxiety disorders				
Place of residence				
Urban	1.52 (1.07, 2.50)	0.023	1.14 (0.72, 1.80) ^a	0.581
Rural	1.41 (1.04, 1.92)	0.026	1.38 (0.98, 1.95) ^a	0.066
Education				
High school and below	1.51 (1.18, 1.93)	0.001	1.29 (0.98, 1.70) ^b	0.068
College or graduate school	1.25 (0.35, 4.46)	0.733	0.92 (0.16, 5.24) ^b	0.925
Average monthly household income, CNY				
<3000	1.69 (1.19, 2.41)	0.003	1.44 (0.97, 2.13) ^c	0.070
≥3000	1.25 (0.89, 1.76)	0.195	1.19 (0.80, 1.75) ^c	0.393

Values are odds ratios (95% confidence intervals). Adjusted model was adjusted for age, place of residence, education, employment status, marital status, average monthly household income, drinking, smoking, regular physical activity, body mass index, diabetes mellitus and dyslipidemia. Participants who were not diagnosed with hypertension were considered as the reference group.

Abbreviation: OR=odds ratio; CI=confidence interval; CNY=China Yuan.

^a Adjusted model was not adjusted for place of residence.

^b Adjusted model was not adjusted for education.

^c Adjusted model was not adjusted for average monthly household income.

Supplemental Table 4. ORs (95% CIs) for depressive and anxiety disorders according to hypertension status in comparison with non-hypertensive participants in western China

	Unadjusted model		Adjusted model	
	OR (95% CIs)	<i>P</i> value	OR (95% CIs)	<i>P</i> value
Depressive disorders				
Place of residence				
Urban	1.55 (1.17, 2.05)	0.002	1.12 (0.80, 1.56) ^a	0.506
Rural	2.11 (1.65, 2.68)	<0.001	1.42 (1.08, 1.86) ^a	0.012
Education				
High school and below	1.91 (1.59, 2.31)	<0.001	1.29 (1.04, 1.60) ^b	0.019
College or graduate school	1.50 (0.67, 3.35)	0.325	1.08 (0.42, 2.78) ^b	0.879
Average monthly household income, CNY				
<3000	1.99 (1.60, 2.47)	<0.001	1.38 (1.08, 1.76) ^c	0.011
≥3000	1.37 (0.97, 1.96)	0.075	0.99 (0.66, 1.49) ^c	0.963
Anxiety disorders				
Place of residence				
Urban	1.78 (1.32, 2.41)	<0.001	1.83 (1.29, 2.61) ^a	<0.001
Rural	2.12 (1.64, 2.73)	<0.001	1.61 (1.22, 2.14) ^a	<0.001
Education				
High school and below	2.01 (1.65, 2.46)	<0.001	1.67 (1.33, 2.09) ^b	<0.001
College or graduate school	2.32 (1.03, 5.24)	0.043	2.28 (0.84, 6.21)	0.107
Average monthly household income, CNY				
<3000	1.93 (1.54, 2.43)	<0.001	1.55 (1.20, 2.01) ^c	<0.001
≥3000	1.86 (1.28, 2.69)	0.001	1.96 (1.29, 2.97) ^c	0.002

Values are odds ratios (95% confidence intervals). Adjusted model was adjusted for age, place of residence, education, employment status, marital status, average monthly household income, drinking, smoking, regular physical activity, body mass index, diabetes mellitus and dyslipidemia. Participants who were not diagnosed with hypertension were considered as the reference group.

Abbreviation: OR=odds ratio; CI=confidence interval; CNY=China Yuan.

^a Adjusted model was not adjusted for place of residence.

^b Adjusted model was not adjusted for education.

^c Adjusted model was not adjusted for average monthly household income.