

Table S1. Preventive knowledge of COVID-19, comparing correct answer frequencies between the two universities ($N = 933$).

Questions	Answers	Number (%)			χ^2	p
		Overall	Beijing (558)	Wuhan (375)		
How long is the incubation period of COVID-19?	1~14 days*	907 (97.2)	540 (96.8)	367 (97.9)	0.99	0.32
Which is not true about the mortality of COVID-19?	15~21 days	24 (2.6)	16 (2.9)	8 (2.1)	4.18	0.04
	22~30 days	2 (0.2)	2 (0.4)	0		
	Wuhan is higher than other regions	153 (16.4)	93 (16.7)	60 (16.0)		
	Lower than flu*	626 (67.1)	360 (64.5)	266 (70.9)		
Which are susceptible groups for COVID-19?	Lower than H7N9	51 (5.5)	31 (5.6)	20 (5.3)	0.20	0.66
	Lower than SARS	103 (11.0)	74 (13.3)	29 (7.7)		
	Children	4 (0.4)	2 (0.4)	2 (0.5)		
	Young people	3(0.3)	3 (0.5)	0		
	Middle aged and elderly people	279 (29.9)	163 (29.2)	116 (30.9)		
What drugs cure COVID-19 effectively?	All people*	647 (69.3)	390 (69.9)	257 (68.5)	0.23	0.63
	Oseltamivir	87 (9.3)	49 (8.8)	38 (10.1)		
	Antibiotic	10 (1.1)	7 (1.3)	3 (0.8)		
	Glucocorticoid	2 (0.2)	1 (0.2)	1 (0.3)		
	No effective drugs*	834 (89.4)	501 (89.8)	333 (88.8)		

Note: * means correct answer. The Chi-squared analysis is performed only between correct rates.

Table S2. Direct and indirect coefficient values in standardized estimation from the path analysis model ($N = 933$).

Factors		Direct coefficient	Indirect coefficient	Total coefficient
Anxiety disorder	Negative thoughts or actions	0.87	-	0.87
	Age (ref = age ≤ 24)	-0.07	0.06	-0.02
	Grade (ref = undergraduates)	0.07	-0.05	0.02
	Anger and quarreling behaviors	-	0.3	0.3
	Concerns about the COVID-19 epidemic	-	0.26	0.26
Depression	Negative thoughts or actions	0.86	-	0.86
	Healthy lifestyle	-0.08	-	-0.08
	Anger and quarreling behaviors	-	0.29	0.29
	Concerns about the COVID-19 epidemic	-	0.26	0.26
	Longer video screen time	-	0.02	0.02