

Supplementary Table 1 Geographic distribution of the participants at provincial level

Province	Frequency	Percent
Anhui	7	0.7
Beijing	6	0.6
Chongqing	20	2.0
Fujian	2	0.2
Gansu	274	27.2
Guangdong	30	3.0
Guangxi	56	5.6
Guizhou	38	3.8
Hainan	8	0.8
Hebei	6	0.6
Heilongjiang	13	1.3
Henan	13	1.3
Hubei	88	8.7
Hunan	19	1.9
Jiangsu	5	0.5
Jilin	7	0.7
Liaoning	106	10.5
Neimenggu	11	1.1
Ningxia	22	2.2
Qing Hai	18	1.8
Shandong	42	4.2
Shanghai	3	0.3
Shanxi	1	0.1
Shaanxi	26	2.6
Sichuan	17	1.7

Xinjian	14	1.4
Tibet	2	0.2
Yunnan	26	2.6
Zhejiang	119	11.8
Overseas	7	0.7
Total	1006	100.0

Supplementary Table 2 Pearson correlations between COVID-19 related knowledge, actions and affects

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Do you know about COVID-19	1																							
When did you first heard about SARS-CoV-2 infection	.237**																							
Is SARS-CoV-2 infection more serious/dangerous than SARS and MERS	.099**	.084**																						
Do you know deaths due to COVID-19 are less as compared to SARS and MERS?	0.017	.092**	-.073*																					
Have you eat Civet ever in your life	0.019	0.012	-0.013	0.06																				
SARS-CoV-2 infection	0.045	.096**	0.031	0.022	0.009																			
If source is animal than from which animal	.066*	.068*	0.021	0.014	0.05	.406**																		
What type of meat you and your family like to consume	-.065*	0.031	-0.013	0.013	0.015	-0.006	0.025																	
Have you and your family members consumed meat of wild animals recently	-.083**	0.013	-0.006	0.022	0.013	-0.003	0.01	.171**																
Have you, your family members or friends got infected with SARS-CoV-2	-0.053	0.024	0.001	-0.02	0.043	-0.013	-.066*	.074*	.093**															
Do you think early detection and treatment will help COVID-19 patient to recover	.200**	.084**	.094**	0.02	0.023	.121**	.146**	.113**	-0.058	0.033														
DO you know SARS-CoV-2 can enter to healthy person via	-.153**	-.098**	-0.027	0.051	0.002	.082**	0.053	0.026	-0.01	-0.004	-0.008													
How SARS-CoV-2 infection spreads	-0.009	-.074*	-0.038	0.052	0.042	0.058	.081**	.093**	0.002	0.015	-0.048	.342**												
How long would it take for a person to become sick if he/she is exposed to SARS-CoV-2	-0.052	0.007	0.014	0.007	0.016	.078*	.115**	0.025	-0.014	-0.006	-0.016	.209**	.209**											
Do you know people diagnosed with other diseases such as Diabetes, cancer and other chronic diseases are at high risk of death due to SARS-CoV-2 infection	.155**	.078*	.084**	.062*	0.019	-0.006	0	0.015	0.024	0.045	.079*	.221**	.117**	-.079*										
Do you know wearing mask and washing hand with soap and water for at least 30 secs can Minimize the risk of SARS-CoV-2 infection	.162**	.088**	.119**	0.031	0.028	0.061	.117**	.088**	0.03	0.012	.151**	.135**	.091**	0.037	.197**									
Who is at risk of contracting SARS-CoV-2	-.064*	-.064*	-0.019	0.024	0.047	0.015	0.028	0.049	0.01	-0.016	.085**	.338**	.356**	.151**	.135**	.118**								
Where people may be infected with SARS-CoV-2	-.106**	-0.018	-0.039	0.019	0.012	.062*	0.049	0.038	0.054	0.026	-0.056	.278**	.246**	.160**	.119**	-.072*	.447**							
SARS-CoV-2 infection control measures	-0.044	-.105**	0.005	0.014	0.055	.063*	.065*	0.051	.117**	0.054	-.075*	.270**	.373**	.172**	-.072*	.112**	.451**	.433**						

Is there a cure for COVID19?	-0.019	-.063*	0.026	-0.02	-	0.028	0.042	-0.02	0.032	0.005	-0.013	0.045	0.024	-0.015	-0.041	0.029	0.013	0.045	0.024	0.049					
If you are feeling unwell what will you do	-0.023	-0.009	-0.007	0.012	0.018	0.003	-0.039	0.044	-0.035	-0.005	-0.034	0.01	-0.027	-0.01	0.038	-0.017	-0.011	-0.005	-0.027	.079*					
How COVID-19 affected you	-0.015	-0.034	.127**	-	-	0.011	-.070*	-0.024	0.034	0.061	0.05	0.051	-0.01	-0.013	-0.034	0.017	0.033	0.039	-0.009	.079*	0.044	0.026			
How much do you think you are affected with the COVID-19	0.004	0.028	.086**	-	-	0.004	0.011	0.031	0.038	0.039	.097**	0.004	-0.037	0.004	0.033	.118**	0.042	0.022	0.044	.106**	-0.014	0.006	.311**		
If your family member or friend is infected with SARS-CoV-2 what will you do	-0.026	-.074*	-0.01	0.03	0.035	-0.004	-0.028	-0.026	0.046	0.012	-0.022	0.024	0.022	-0.016	0.036	0.027	.088**	0.047	0.061	0.021	0.001	0.045	0.018		
Are you back to your routine after COVID 19 outbreak	-0.058	0.008	0.012	-	0.007	0.026	0.006	-.065*	0.003	0.013	-0.033	-0.048	0.038	0.034	0.057	0.007	0.003	0.01	.071*	0.032	.097**	0.024	.128**	.148**	0.004

Supplementary Table 3 Multivariate logistic regression analysis: odd ratios (95% confidence intervals) of different levels of coronavirus disease 2019 related knowledge compared to severe acute respiratory syndrome, Middle East respiratory syndrome and people diagnosed with other diseases

Deaths due to COVID-19 are less as compared to SARS and MERS			People diagnosed with other diseases are at high risk of death due to COVID-19	
Factors	OR (95%CI)	P value	OR (95%CI)	P value
Sex				0.012
Male			1	
Female			0.61 (0.41-0.89)	
Residence		0.006		
Rural	1			
Urban	0.67 (0.51-0.89)			
Age, yr				0.001
< 30			1	
31-39			0.17 (0.06-0.51)	
40-49			0.44 (0.16-1.17)	
50-59			0.07 (0.01-0.39)	
> 60			0.06 (0.01-0.52)	
Ethnicity				0.007
Han			1	
Others			1.82 (1.18-2.8)	
Education		0.676		
Middle or less	1			
Undergraduate	0.79 (0.55-1.14)			

Master	0.82 (0.74-1.43)		
PhD	0.8 (0.4-1.61)		
Profession			0.39
Farmer		1	
Teacher		0.97 (0.33-2.87)	
Doctor		0.22 (0.04-1.12)	
Nurse		0.87 (0.15-5.07)	
Government		0.57 (0.2-1.64)	
Private		0.98 (0.36-2.67)	
Students		0.6 (0.23-1.6)	
Business		0.19 (0.02-1.66)	
Marital status			0.7
Married		1	
Unmarried		1.19 (0.49-2.87)	
Monthly income (RMB)			0.34
< 3000	1	1	
3001-5000	1.1 (0.81-1.5)	0.65 (0.34-1.27)	
5001-10000	0.88 (0.61-1.28)	1.17 (0.53-2.6)	
> 10000	0.5 (0.28-0.89)	0.68 (0.26-1.77)	

The reference category of each variable is the one with odd ratios = 1.00. OR: Odds ratio; CI: Confidence interval.

Supplementary Table 4 Multivariate logistic regression analysis: odd ratios (95% confidence intervals) of different levels of knowledge about wearing mask and washing hand with soap for at least 30 s can minimize severe acute respiratory syndrome coronavirus 2 infection risk and community center is well furnished with basic medical facilities or not

Wearing mask and washing hand with soap for at least 30 s can minimize COVID-19 risk		Your community center is well furnished with basic medical facilities	
Factors	OR (95%CI)	P value	P value
Country			0.024
Chinese		1	
Foreigner		6.56 (1.27-33.8)	
Sex		0.007	
Male	1		
Female	0.48 (0.28-0.82)		
Age, yr		0.449	0.14
< 30	1	1	
31-39	1.08 (0.51-2.29)	1.56 (0.86-2.82)	
40-49	0.91 (0.24-1.96)	1.95 (1.02-3.73)	
50-59	0.34 (0.08-1.44)	1.88 (0.94-3.79)	
> 60	0.29 (0.04-2.18)	2.57 (1.21-5.42)	
Residence		0.007	
Rural	1		
Urban	0.46 (0.26-0.81)		
Ethnicity			0.43
Han		1	
Others		0.88 (0.63-1.22)	

Profession		0.001
Farmer	1	
Teacher	0.82 (0.45-1.48)	
Doctor	0.23 (0.11-0.47)	
Nurse	0.16 (0.04-0.78)	
Government	0.72 (0.4-1.3)	
Private	0.47 (0.26-0.85)	
Students	0.70 (0.36-1.37)	
Business	0.82 (0.59-1.93)	
Marital status		0.8
Married	1	
Unmarried	1.07 (0.59-1.9)	
Monthly income (RMB)		0.56
< 3000	1	
3001-5000	1.23 (0.82-1.83)	
5001-10000	1.25 (0.78-2.0)	
> 10000	0.87 (0.46-1.64)	

The reference category of each variable is the one with odd ratio = 1.00. COVID-19: Coronavirus disease 2019; OR: Odds ratio; CI: Confidence interval.