CovNetps-Wuhan Second Wave Questionnaire

Note: -2 or -3 denote null value, or not available.

S1. [Consent] Since the study is a follow-up survey including two waves, we hope to invite you to fill out a short follow-up questionnaire again after the school reopens, so we would like to check your contact information. For each valid questionnaire, we will provide you with 5-yuan reward, thank you! Please let us know your convenient contact information and you can read the informed consent form in the link below to represent your agreement and consent to participate in this study :[single topic]*

○ I agree to participate in the study [1]

○ I do not agree to participate in the study and withdraw (please jump to question 45, or S5.)

F1. [Province] Please select the province where your current (recent) school is located (municipality directly under the Central Government, autonomous region, special zone, etc .):[single topic]*

○ Beijing [1]

○ Tianjin [2]

○ Shanghai [3]

○ Chongqing [4]

○ Hebei Province (Hebei) [5]

○ Shanxi Province (Jin) [6]

○ Liaoning Province (Liao) [7]

○ Jilin Province (Ji) [8]

○ Heilongjiang Province (Hei) [9]

○ Jiangsu Province (Su) [10]

○ Zhejiang Province (Zhejiang) [11]

○ Anhui Province (Anhui) [12]

○ Fujian Province (Fujian) [13]

○ Jiangxi Province (Jiangxi) [14]

○ Shandong Province (Lu) [15]

○ Henan Province (Henan) [16]

○ Hubei Province (E) [17]

○ Hunan Province (Hunan) [18]

○ Guangdong Province (Guangdong) [19]

○ Hainan Province (Qiong) [20]

○ Sichuan (Sichuan) [21]

○ Guizhou Province (Guizhou) [22]

○ Yunnan Province (Yunnan) [23]

○ Shaanxi Province (Shaanxi) [24]

○ Gansu Province (Gansu) [25]

○ Qinghai Province (Qing) [26]

○ Guangxi Zhuang Autonomous Region [27]

○ Inner Mongolia Autonomous Region [28]

○ Tibet Autonomous Region [29]

○ Ningxia Hui Autonomous Region [30]

○ Xinjiang Uygur Autonomous Region [31]

○ Hong Kong Special Administrative Region [32]

○ Macao Special Administrative Region [33]

○ Taiwan [34]

○ overseas [35]

F2. [Ps_Status] Recall that during the first wave of the epidemic in 2020, what was your situation?
○ I stay in my own home [1]
○ I stay at my relative's house [2]

○ I stay at school [3]
○ other: [4]

F3. [Ps_Immigrate] Recalling the period from the beginning of February to the end of 2020, do you migrate between provinces (including tourism, migration, for study/work, etc.)?
○ yes [1]
○ no [2]

S4. [Sch_Status] Your school currently belongs to [single topic]*

○ online teaching/not allowed to return to school [1]

○ currently on campus [2]

○ have returned to school but have already left campus [3]

In the first part below, the researchers would like to know some of your basic backgrounds.

A2. [edu]Your current education level belongs to [single topic]*

○undergraduate in college [1]

○graduate or above [2]

○gap year [3]

○already worked [4]

A3. [gender1] Your gender is [single topic]*

○ male [1]

○ female [2]

○ Other [3]

A4.[single1] Are you single [single topic]*

○ yes [1]

○ no [2]

○ Other [3]

A5.2 [quarantine1] Do you know anyone who was isolated for this outbreak?[Single topic]*

○ no [1]

○ yes [2]

（If Yes, Continue; Otherwise, go to A7）

A5.3. [quarantine2] Who are the people diagnosed?

○ Family member living together [1]

○ Family member not living together [2]

○ Neighbours in the same building [3]

○ Friends/classmates/colleagues [4]

○ none of the above [5]

A7. [sss]In our society, some people are in the upper class, some in the lower class. "1" stands for the bottom ,"10" stands for the top. What rank do you think you are currently at?[Single topic]*

○1 Bottom	○2	○3	○4	○5	○6	○7	○8	○9	○10 Top

A8. [exercise] How often have you exercised or participated in moderate physical activity (such as jogging, walking, fitness, playing ball, housework, etc.) For more than 30 minutes as one count during the past week?[Single topic]*

○ almost never [1]

○ once or twice [2]

○ two or three times [3]

○ four or five [4]

○ almost every day [5]

A9. [drinking] In the past week, how often have you been drinking (like beer, red wine, or other alcoholic beverages)?[Single topic]*

○ didn't drink [1]

○ once or twice [2]

○ two or three times [3]

○ four or five [4]

○ drink it almost every day [5]

A10. [smoked]Have you smoked recently?[Single topic]*

○ no [1]

○ yes [2]

We are now at the second part, there are many studies that focus on health, and researchers would like to know about your recent health condition.

H1. Combining all the factors, how satisfied have you been with the following in the past week?[Matrix questions]*

	Very Bad [1]	Bad [2]	Moderate [3]	Good [4]	Very Good[5]
1. Work/study [WS]	○	○	○	○	○
2. Family activities [fam_acti]	○	○	○	○	○
3. Interpersonal relationships [IR]	○	○	○	○	○
4. Family relations	○	○	○	○	○

[fam_rela]					
5. Leisure activities [LA]	○	○	○	○	○
6. Ability to operate normally in daily life [AON]	○	○	○	○	○
7. Overall well-being [OW]	○	○	○	○	○
In addition, do you think your health status belongs to? [HS]	○	○	○	○	○

H2. Please recall your situation in the past week. How many days will you feel the following conditions?[Matrix questions]*

	0	1	2	3	4	5	6	7
I feel sad [sad]	○	○	○	○	○	○	○	○
I feel frustrated even having family and friends to help [frustrated]	○	○	○	○	○	○	○	○

I feel depressed [depressed]	○	○	○	○	○	○	○	○
I find it hard to do everything [hardTOdo]	○	○	○	○	○	○	○	○
Male choose three, otherwise choose five [male]	○	○	○	○	○	○	○	○
I don't sleep well [sleep]	○	○	○	○	○	○	○	○
I feel happy [happy]	○	○	○	○	○	○	○	○
I can't concentrate on things [concentrate]	○	○	○	○	○	○	○	○
I live happily [live_happy]	○	○	○	○	○	○	○	○
I've been bothering things that I didn' t bother before [bothering]	○	○	○	○	○	○	○	○
I feel lonely [loneliness]	○	○	○	○	○	○	○	○

F4. Please recall your situation during the first wave of the epidemic in 2020. How many days in a week would you have the following feelings? [Matrix questions] *

	0	1	2	3	4	5	6	7
I feel sad [sad_covid]	○	○	○	○	○	○	○	○
I feel frustrated even having family and friends to help [frustrated_covid]	○	○	○	○	○	○	○	○
I feel depressed [depressed_covid]	○	○	○	○	○	○	○	○
I find it hard to do everything [hardTOdo_covid]	○	○	○	○	○	○	○	○
Male choose three, otherwise choose five [male_covid]	○	○	○	○	○	○	○	○
I don't sleep well [sleep_covid]	○	○	○	○	○	○	○	○
I feel happy [happy_covid]	○	○	○	○	○	○	○	○
I can't concentrate on things [concentrate_covid]	○	○	○	○	○	○	○	○
I live happily [live_happy_c	○	○	○	○	○	○	○	○

ovid]								
I've been bothering things that I didn' t bother before [bothering_covid]	○	○	○	○	○	○	○	○
I feel nervous, anxious or upset about the pandemic [nervous_covid]	○	○	○	○	○	○	○	○
I can't stop or stop worrying about pandemic [worrying_covid]	○	○	○	○	○	○	○	○
I feel lonely [loneliness_covid]	○	○	○	○	○	○	○	○

The third part below is the core of our social network research to understand your recent social interaction.

E1., please recall your situation in the past week. How many days have you participated in the following topics?[Matrix questions]*

	0	1	2	3	4	5	6	7
Visit relatives or friends (including home, dormitory, etc)	○	○	○	○	○	○	○	○

[visitRF]								
Go to a restaurant with family, relatives or friends [GoRest]	○	○	○	○	○	○	○	○
Hang out with family, relatives or friends for shopping, traveling, watching movies, watching exhibitions, playing sports, studying and etc [Hangout]	○	○	○	○	○	○	○	○
Chat very deeply online with relatives or friends (wechat, QQ, etc) [Chat]	○	○	○	○	○	○	○	○

E3. Please combine the recent situation, select the description that match your experience.[Matrix questions]*

	Hope to know more [1]	Enough for now [2]
Do you sometimes would like to meet more friends who can talk about personal affairs, or do you think there are enough people to chat?	○	○

[MeetFrd]		
Do you sometimes would like to meet more people who can hang out, or do you think there are enough people for now? [MeetHangout]	○	○
Do you sometimes would like to meet more people who will help you (such as borrowing some money, buying things when you are sick, etc.), or do you think there are enough friends to help you? [MeetHelp]	○	○

E4. [net_size] Think about who you typically do these sorts of things with, or other social things as well, such as going shopping, out for sports, studying together, chat, or people who are important to you (both online and offline). Who are these people? Please count —— How many people can you think of at this time? [Single topic]*

○1

○2

○3

○4

○5

○6

○7

○8

_____○9 or more

N1. What are the names of the people you think of in the question above (" people who often socialize with you recently / important to you ")?[Multiple topics]*

You don't need to give a real name, it is recommended that you write nicknames, pseudonyms, pinyin, a word in the name, and so on, just know it yourself at our next visit.Please start filling in the most recent intersection with your life, no more than 6 people.
(Example: Three persons were selected as follows:

□ name 1[name1]_____*

☐ name 2[name2]_____*

☐ name 3[name3]_____*

☐ name 4[name4]_____*

☐ name 5[name5]_____*

☐ name 6[name6]_____*

You've recalled people you' ve been seeing recently, or who are important to you. Next, researchers would like to follow the approach of social network research and ask you questions about them.

All of the following columns appended with n1, n2, n3, n4, n5, n6 means the different name. Ex: [fam_n1] means the family member of name 1

N2. This question, the researcher would like to know the type of your relationship. Please select the following name for your relationship.[Matrix Multiple Topics]*

Note: Family includes parents, grandparents, siblings;
Relatives refer to relatives of non-parents, grandparents, brothers and sisters.
Social organizations include neighborhood communities, student associations, interest groups, voluntary activities, religious activities and so on.

	Family member [fam] [0/1]	Relative [rela] [0/1]	boyfriend/girlfriend/partner [bfgf] [0/1]	Known through school [sch] [0/1]	Known through Work/ Part-time Job [work] [0/1]	Known through Social organization [social_organ] [0/1]	House mate [house]	Neighbourhood [neigh]	Other relationships [other_rela] [0/1]
Name 1	☐	☐	☐	☐	☐	☐			☐
Name 2	☐	☐	☐	☐	☐	☐			☐

N3. The researcher would like to know your relationship type, please select the following name that match the description below.[Matrix Multiple Topics]*

Note: living nearby means that you can reach the other person's residence within 10 minutes of walking, or you live together.

	Your recent contacts have been mainly online [online] [0/1]	You met last week [meet_LW] [0/1]	He/she usually lived around you last semester [live_around] [0/1]	He/she lived in the same community with you [live_community]	None of the above [noneN3] [0/1]
Name 1	☐	☐	☐		☐
Name 2	☐	☐	☐		☐

N4. For your case with the following names, please select all statement applied separately.[Matrix Multiple Topics]*

Note: peers refer to two years and less than your age.

	He/she is your peer [peer] [0/1]	Have the same gender [same_gender] [0/1]	From the same province [same_province] [0/1]	From the same college /department [same_college] [0/1]	From the same school [same_sch] [0/1]	Don't have the same social and political values [same_value] [0/1]	Have the same hobby [same_hobby] [0/1]	None of the above [noneN4] [0/1]
Name 1	☐	☐	☐	☐	☐	☐	☐	☐
Name 2	☐	☐	☐	☐	☐	☐	☐	☐
Name 3	☐	☐	☐	☐	☐	☐	☐	☐

N5. For your relationship with the following statements, select all that apply.[Matrix Multiple Topics]*

Note: personal affairs refer to such as emotional relationships, important things, setbacks and so on;
Substantive help refers to such as moving things, giving advice, helping with homework, shopping, sick care, etc.

	Exchange information about pandemic [exch_info] [0/1]	Talking about sports, idols, games and other entertainment topics recently [entertainment] [0/1]	Shared personal affairs with he/she [personal [0/1]]	He/she has given you substantial help recently [help] [0/1]	He/she has recently reproached or criticized you [reproached] [0/1]	He/she upset you lately [upset] [0/1]	I feel he/she demands too much lately [demands] [0/1]	None of the above [noneN5] [0/1]
Name 1	☐	☐	☐	☐	☐	☐	☐	☐
Name 2	☐	☐	☐	☐	☐	☐	☐	☐

Name 3	☐	☐	☐	☐	☐	☐	☐	☐

F5. For your relationship with the following statements, select all eligible options. [Matrix Multiple Topics] *
Note: Going out together means going out to buy things, eat together, go shopping, go to the park, etc.

Consultation with him/her means that when he/she needs to make decisions about internships, further studies, family issues, etc., he/she will ask the other party for advice.

Difficulties or burdens in getting along means that sometimes people you know will ask us a lot of help, make a lot of demands on us, and sometimes feel that getting along is difficult or burdened.

	Hang out together in recent months [hangout_rec] [0/1]	In recent months, before making important decisions, have consulted him/her [consult_dec] [0/1]	Sometimes I feel difficult or burdened to get along with him [burden] [0/1]	If you suddenly get sick or injured, who would you look for to accompany you to see a doctor or help take care of you? [sick_care] [0/1]	If you are in urgent need of money, who will you borrow? [money_bor] [0/1]	After the outbreak, I asked TA about the internship [intern] [0/1]	None of the above [noneF5] [0/1]
Name 1	□	□	□	□	□	□	□
Nam	□	□	□	□	□	□	□

e 2							
Name 3	□	□	□	□	□	□	□

N6. On average, your frequency of interacting with this person last week (both online and offline) is [matrix questions]* [frequency]

	Barely any [1]	At least once a week [2]	Two or three times a week [3]	Four or five times a week [4]	Almost every day [5]
Name 1	○	○	○	○	○
Name 2	○	○	○	○	○

N7. The last week on average, how much time do you spend chatting with the following people every day?[Matrix questions]* [chatting]

	Within 15 minutes [1]	About half an hour [2]	About an hour [3]	About two or three hours [4]	More than three hours [5]
Name 1	○	○	○	○	○
Name 2	○	○	○	○	○

N8. Do you feel familiar with the following people? Choose [matrix questions]* separately [familiar]

	Not familiar [1]	Familiar [2]	Very familiar [3]
Name 1	○	○	○
Name 2	○	○	○

N9. How close / intimate are you to the following? Choose [matrix questions]* [close]

	Neither close nor intimate [1]	Relatively Close / intimate [2]	Very close/ intimate [3]
Name 1	○	○	○
Name 2	○	○	○

N10. How long have you known the following people?[Matrix questions]* [known]

	Less than 1 year [1]	1-3 years [2]	4-6 years [3]	7-9 years [4]	Over 10 years [5]
Name 1	○	○	○	○	○
Name 2	○	○	○	○	○

N11. Recall that before the outbreak of pandemic in 2019, your average weekly chat frequency with the following people (including online and offline) was [matrix scale questions]* [weekly_frequency]

	Almost never [1]	At least once a week [2]	Two or three times a week [3]	Four or five times a week [4]	Almost every day [5]
Name 1	○	○	○	○	○
Name 2	○	○	○	○	○

N12. Looking back on 2019, before the epidemic happened, how often could you meet the following people?[Matrix questions]* [meet_frequency]

	Almost never [1]	Once a year or less [2]	Several times a year [3]	At least once a month [4]	At least once a week [5]	Almost every day [6]
Name 1	○	○	○	○	○	○

Name 2	○	○	○	○	○	○

T. Do you refer to [[q23]] know each other? According to the order of names that appear in [], we have numbered each name as name 1, name 2, name 3, and so on.... [Multiple topics]*

☐ name 1 name 2 [n12] [0/1]

☐ name 1 know name 3 [n13] [0/1]

☐ name 1 know name 4 [n14] [0/1]

☐ name 1 name 5 [n15] [0/1]

☐ name 1 name 6 [n16] [0/1]

☐ name 2 name 3 [n23] [0/1]

☐ name 2 name 4 [n24] [0/1]

☐ name 2 name 5 [n25] [0/1]

☐ name 2 name 6 [n26] [0/1]

☐ name 3 name 4 [n34] [0/1]

☐ name 3 name 5 [n35] [0/1]

☐ name 3 name 6 [n36] [0/1]

☐ name 4 name 5 [n45] [0/1]

☐ name 4 name 6 [n46] [0/1]

☐ name 5 name 6 [n56] [0/1]

☐ these people don't know each other *[noneT]* [0/1]

In the last part, according to your specific answer, the researcher would like to ask you a few additional questions, thank you!

B1. Some people feel that they can completely control the development and direction of their own life, but some people think that what changes in life is not their own decision. So to what extent do you think you can control your life?[Single topic]* [control]

○ I can mostly controlled my life by myself [1]

○ I can control a part of my life [2]

○ I hardly controlled my life [3]

B3. Researchers would like to know if you have been active in the following social organizations this month, or have you played an active role in the following activities?[Multiple topics]*

☐ school associations or student unions [student_unions] [0/1]

☐ sports related organizations (e.g. Fan organizations) [sport_organ] [0/1]

☐ professional organizations (e.g. Trade unions, study groups, etc) [prof_organ] [0/1]

☐ entertainment related organizations (such as star fans) [enter_organ] [0/1]

☐ voluntary service or social work activities (e.g. Voluntary assistance in temperature testing, counselling of children of medical staff) [voluntary] [0/1]

☐ religious groups and their activities [religious] [0/1]

_____☐ other social groups or activities [other] [0/1]

☐ none of the above activities [noneB3] [0/1]

F6. Recalling on your local neighborhood during the first round of the epidemic, how much did you agree with these views? [Multiple Choice Questions]

	Completely	1[2]	2[3]	3[4]	4[5]	Completely

	Agree[1]					Disagree[6]
People living nearby will be willing to help their neighbors [help_neigh]	○	○	○	○	○	○
Can trust the people who live in that community [trust_neigh]	○	○	○	○	○	○
People in that community are pretty closely connected [close_com]	○	○	○	○	○	○
Generally speaking, people in that community get along well with each other [get_along_com]	○	○	○	○	○	○
People in that community have the same values [same_value_com]	○	○	○	○	○	○

F7. Think back to your local neighborhood community during the first round of the epidemic. If the following things happen, do you think your neighbors (or people living in that neighborhood) will take action to solve the problem? [Multiple Choice Questions]

	Completely Agree[1]	1[2]	2[3]	3[4]	4[5]	Completely Disagree[6]
If there is a fire in front of your house, someone will come out to help [fire_help]	○	○	○	○	○	○
If there are teenagers fighting downstairs, someone will come out to stop them [fight_help]	○	○	○	○	○	○

If someone gathers downstairs for entertainment during the outbreak, someone will come out to supervise or report [gather_report]	○	○	○	○	○	○
If someone throws rubbish on the ground, someone will report the problem and ask for a solution [rubbish_report]	○	○	○	○	○	○
If the neighborhood is too noisy, someone will report the problem and ask for a solution [noise_report]	○	○	○	○	○	○

B5. Researchers would like to know about you perception of discrimination regarding to the pandemic. How much did you agree with these views? [Multiple Choice Questions]

	Completely Agree[1]	1[2]	2[3]	3[4]	4[5]	Completely Disagree[6]
Due to the pandemic, I am worrying about being discriminated and even expelled. [worry_discrim]	○	○	○	○	○	○
There are many Chinese who are residential abroad are treated unfairly [unfair]	○	○	○	○	○	○
I always feel being discriminated when I talk to my	○	○	○	○	○	○

friends [chat_discrim]						

B6. May I ask how much time you spend on your mobile phone on average every day in the last week (including study, chat, entertainment, etc)?[Single topic]* [phone_time]

○ within 1 hour [1]

○ about 2-3 hours [2]

○ about 4-6 hours [3]

○ about 10-12 hours [4]

○ over 12 hours [5]

S5. [Sch_in_Wuhan] Is your school located in Wuhan? If yes, please select the school name [single topic]*

If you are not a public university (such as a private university), please choose others.

○1 My school is not in Wuhan

○2 Wuhan University

○3 Huazhong University of Science and Technology

○4 Wuhan University of Science and Technology

○5 Wuhan University of Engineering

○6 China University of Geosciences (Wuhan)

○7 Wuhan Textile University

○8 Wuhan University of Light Industry

○9 Wuhan University of Technology

○10 Hubei University of Technology

○11 Huazhong Agricultural University

○12 Hubei University of Traditional Chinese Medicine

○13 Central China Normal University

○14 Hubei University

○15 Zhongnan University of Finance, Economics and Law

○16 Wuhan Institute of Physical Education

○17 Hubei Academy of Fine Arts

○18 Central South University for Nationalities

○19 Jianghan University

○20 Hubei Police Academy

○21 Wuhan Conservatory of Music

○22 Hubei Institute of Economics

○23 Wuhan Business School

○24 Hubei Second Normal University

○25 Wuhan Vocational and Technical College

○26 Changjiang Vocational College

○27 Wuhan City Vocational College

○28 Wuhan Marine Vocational and Technical College

○29 Wuhan Engineering Vocational and Technical College

○30 Hubei Light Industry Vocational and Technical College

○31 Hubei Traffic Vocational and Technical College

○32 Wuhan Maritime Vocational and Technical College

○33 Wuhan Railway Vocational and Technical College

○34 Wuhan Software Engineering Vocational College

○35 Wuhan Electric Power Vocational and Technical College

○36 Hubei Water Conservancy and Hydropower Vocational and Technical College

○37 Hubei City Construction Vocational and Technical College

○38 Wuhan Police Vocational College

○39 Hubei Biotechnology Vocational College

○40 Hubei Vocational College of Art

○41 Wuhan Traffic Vocational College

○42 Changjiang Engineering Vocational and Technical College

○43 Wuhan Industrial Vocational and Technical College

○44 Wuhan Civil Affairs Vocational College

○45 Hubei Vocational College of Finance and Taxation

○46 Hubei Vocational College of Land and Resources

○47 Hubei Ecological Engineering Vocational and Technical College

○48 Hubei Vocational College of Science and Technology

○49 Hubei Youth Vocational College

○50 Hubei Sports Vocational College

○51 Hubei Preschool Teachers College

○52 Hubei Railway Transport Vocational College

○53 Wuhan Maritime Vocational College

○54 Wuhan Railway Bridge Vocational College

○55 Other

○56 Non- tertiary institutions (e.g. Primary and secondary schools)