

Supplementary file 1

S-A: Background, knowledge and behavioral information- WHO Survey Tool for Behavioral Insights on COVID-19 (WHO-STBIC)

Items	Original	Adapted
Socio-demography		
How old are you?	R	R*
What is your sex?	R	R
How many years of education have you completed?	R	R
Are you a health professional?	R	R
Do you have a chronic illness?	R	R
Where do you live?	R	R
In which district do you live?	R	R
Who lives in your household besides yourself?	R	R

Please assess your private financial situation over the past three months	R	R
COVID-19 personal experience		
To your knowledge, are you, or have you been, infected with COVID-19?(yes, no)	R	R
You have Infected with COVID-19 (Mild ,Severe)	R	R
How your diseases have been detected (Confirmed by a test, Not confirmed by a test)?	R	R
Do you know people in your immediate social environment who are or have been infected with COVID-19 (yes, no)?	R	R
Do you know someone who died from COVID-19((yes, no)?	R	R
Health literacy (How easy or difficult would you say it is to ...)		
.... find the information you need related to COVID-19?	R	N*
.... understand information about what to do if you think you have COVID-19?	R	R
...judge if the information about COVID-19 in the media is reliable?	R	N
...understand restrictions and recommendations of authorities regarding COVID-19?	R	R
....follow the recommendations on how to protect yourself from COVID-19?	R	R
...understand recommendations about when to stay at home from work/school, and when not to?	R	R
.....follow recommendations about when to stay at home from work/school, and when not to?	R	N
....understand recommendations about when to engage in social activities, and when not to?	R	N
...follow recommendations about when to engage in social activities, and when not to?	R	R
probability and severity (COVID-19 risk perception)		

What do you consider to be your own probability of getting infected with COVID-19? Extremely unlikely , Extremely likely	R	N
How susceptible do you consider yourself to an infection with COVID-19? Not at all susceptible , Very susceptible	R	R
How severe would contracting COVID-19 be for you (how seriously ill do you think you will be)?	R	N
Preparedness and perceived self-efficacy		
Next, we would like to know about you own practices related to COVID-19	R	R
I know how to protect myself from coronavirus (not at all, very much so)	R	R
For me avoiding an infection with COVID-19 in the current situation is... (extremely difficult, extremely easy)	R	R
Prevention – own behaviors (During the last 7 days, which of the following measures have you taken to prevent infection from COVID-19?) (not at all, very much so / Not applicable)		
Frequently washed my hands with soap and water for at least 20 seconds	R	R
Avoided touching my eyes, nose and mouth with unwashed hands	R	R
Used disinfectants to clean hands when soap and water were not available	R	R
Avoided a social event I wanted to attend	R	R
Stayed at home from work/school	R	R
Used antibiotics to prevent or treat COVID-19	R	N
Wore a mask in public	R	R
Ensured physical distancing in public(Wedding, Mourning, Ceremony)	R	R
Disinfected surfaces	R	N

Trust in institutions (perceptions) How much confidence do you have that the following can handle the COVID-19 challenge well? (very low confidence, very high confidence / not applicable)		
Your family doctor	R	R
Your employer	R	R
Hospitals	R	R
Ministry of Health	R	R
Institute of Public Health /Center for disease Control	R	R
Schools	R	R
Public transportation companies	R	R
Police	R	R
Your church/place of worship	R	R
Testing and tracing: If you have been in contact with someone who tested positive for COVID-19 and have no symptoms yourself – will you get tested if you have the opportunity?		
I would get tested for sure	R	R
I may not get tested	R	R
I would get tested for sure because...		
... I want to receive the appropriate care in case of a positive test	R	R
...this is my responsibility as a citizen	R	R

...I would face penalties if I did not	R	R
...I believe this helps stop the spread of COVID-19	R	R
...this way I can protect other people	R	R
...my friends and family would expect me to get tested	R	R
I may not get tested because...		
...getting tested would cost money (e.g. transportation, buying the test, taking time off work)	R	R
...I do not know where to go to be tested	R	R
...it is too time-consuming to get tested	R	R
...this will result in loss of income for me due to quarantine while waiting to get the results	R	R
... this would result in loss of income for me if I get a positive test	R	R
...people might blame me for my actions if I get a positive test	R	R
... I might face fines or other penalties if I had violated official COVID restrictions	R	R
...I do not trust authorities with my personal data	R	R
...I do not believe COVID-19 exists	R	R
...there is nothing I can do, even if I get a positive test	R	R
...I am not able to self-isolate in case I get a positive test	R	R
...I do not think the tests are reliable	R	R
...I am worried people will treat me badly if I get a positive test	R	R

...I am worried I will get infected at the testing site	R	R
... I think testing will be painful	R	R
If you test positive for COVID-19 and are asked to share with health authorities the names of people you have been in contact with – will you share all names?		
I would share all names for sure	R	R
I may not share all names	R	R
I would share all names for sure because...		
... I believe this helps stop spread of COVID-19	R	R
... this is my responsibility as a citizen	R	R
... this way I can protect other people	R	R
... my friends and family would expect me to do this	R	R
... I would face penalties if I did not	R	R
...I may not share all names because...		
... I could contact them myself	R	R
...I believe this could result in loss of income for those people due to quarantine	R	R
...I believe people would blame me for having shared their name	R	R
...I do not trust authorities	R	R
...my family and friends would expect me not to share names	R	R
...I would cause inconvenience for the people whose names I share	R	R

...I do not want others to know I tested positive	R	R
Fairness (perceptions) , please consider the decisions that are made in your country to reduce spread of COVID-19: (strongly disagree, strongly agree)		
I think the decisions are fair	R	R
I would convince others that the decisions are right	R	N
Unwanted behavior ,Within the last 2 weeks, have you done the following...?(yes, no ,not applicable)		
Avoided people that I thought might infect me, based on their ethnicity	R	R
Exercised less than I did before the pandemic	R	R
Smoked more than I did before the pandemic	R	R
Ate more unhealthy food than I did before the pandemic	R	R
Postponed vaccination for myself or my child and going to the doctor or dentist	R	R
Bought drugs that I heard are good for treating COVID-19	R	R
Bought foods , fruits and vegetables that I heard are good for treating COVID-19	R	R
COVID-19 vaccine, there are currently no vaccines available to prevent COVID-19, but many researchers are working to develop and test vaccines. Please share your position on a potential future COVID-19 vaccine: (strongly disagree , strongly agree)		
I believe a vaccine can help control the spread of COVID-19	R	R
If I knew I had been infected with COVID-19 before, I would not get the vaccine even if it were available	R	R
When everyone else is vaccinated against COVID-19, then I don't have to get vaccinated	R	R
If a COVID-19 vaccine is made available in my country(Iran), my decision of whether or not to get vaccinated would depend on:		

Country in which the vaccine is produced (not at all, very much so)	R	N
Question explanations (... is developed in Iran or foreign)		
Recommendation from my family doctor	R	R
Recommendation of the Ministry of Health	R	R
Whether the vaccine has been in use for a long time with no serious side-effects	R	R
Whether the vaccine is used in other countries	R	R
Risk of getting infected with COVID-19 at the time when the vaccine is available	R	R
How easy it is to get the vaccine (e.g. available out-of-hours or in pharmacies)	R	R
Whether the vaccine is free of charge	R	N
Whether a high vaccination uptake would lift restrictions on movement and gathering in groups	R	R
Apart from COVID-19, I think everyone should be vaccinated according to the national vaccination schedule (yes, no, don't know)	R	R
Another suggested form of the question: My decision to get vaccinated depends on the fact that many Iranians have been vaccinated.		
Remained: R , Not included in shorten through adaption Persian version: N, Modified Item: M		

S-B: Insights and perceptions of WHO survey tool for behavioral insights on COVID-19 (WHO-STBIC)

Items	Original	Shorten through adaptation
-------	----------	----------------------------

Affect (Please choose one option per row below. COVID-19 to me feels ...)		
close to me , far away from me	R	R
Spreading slowly , Spreading fast	R	R
Something I think about all the time, Something I almost never think about	R	R
Fear-inducing ,Not fear-inducing	R	R
Media hyped , Not media hyped	R	R
Something that makes me feel helpless , Something I am able to combat with my own action	R	N
Stressful, Not stressful	R	R
Trust in sources of information (How much do you trust information about COVID-19 from the following sources?)(Very little trust , A great deal of trust)		
Television /Radio	R	M
Newspapers /News agency	R	M
Health workers (physicians, nurses and other health personnel)	R	M
Social media	R	R
Radio	R	N
Ministry of Health	R	R

Institute of Public Health/Center for Disease Control	R	R
Celebrities and social media influencers	R	R
World Health Organization (WHO)	R	R
COVID-19 Hotlines	R	N
National COVID-19 information website	R	N
Use of sources of information (Very little trust , A great deal of trust)		
Television	R	N
Newspapers	R	N
Health workers	R	N
Social media	R	N
Radio	R	N
Ministry of Health	R	N
Institute of Public Health/Center for Disease Control	R	N
Celebrities and social media influencers	R	N
World Health Organization (WHO)	R	N
COVID-19 Hotlines	R	N

National COVID-19 information website	R	N
Frequency of Information (Never... Several times a day)		
How often do you seek information about COVID-19?	R	N
Trust in institutions (perceptions) How much confidence do you have that the following can handle the COVID-19 challenge well? (very low confidence, very high confidence / not applicable)		
Your family doctor	R	R
Your employer	R	R
Hospitals	R	R
Ministry of Health	R	R
Institute of Public Health /Center for disease Control	R	R
Schools	R	R
Public transportation companies	R	R
Police	R	R
Your church/place of worship Explanation: (Mosque / Other religious places (church, synagogue))	R	R
Conspiracies (perceptions) Please consider the decisions that are made in your country to reduce spread of COVID-19: I think that... (not true , certainly true)		

...many very important things happen in the world, which the public is never informed about certainly	R	N
politicians usually do not tell us the true motives for their decisions	R	R
... government agencies closely monitor all citizens	R	N
Resilience (perception) Please consider your experience during COVID-19 pandemic: (strongly disagree, strongly agree)		
I have a hard time making it through stressful events	R	R
It does not take me long to recover from a stressful event	R	N
It is hard for me to snap back when something bad happens	R	R
Well-being , We would now like for you to indicate your general well-being: Over the past 2 weeks...(All of the time – Most of the time – More than half the time – Less than half the time – Some of the time – At no time)		
... I have felt cheerful and in good spirits	R	N
... I have felt calm and relaxed	R	N
... I have felt active and vigorous	R	N
... I woke up feeling fresh and rested	R	N
... my daily life has been filled with things that interest me	R	N
Trust system performance		
If a COVID-19 vaccine becomes available and is recommended for me, I would get it. (strongly disagree , strongly agree)	R	R

In the event of an outbreak it's appropriate to avoid certain people on the basis of their ethnicity.	R	N
I think that the restrictions currently being implemented are greatly exaggerated.	R	R
The government should be allowed to force people into self-isolation if they have been in contact with someone who was infected	R	R
More tests for coronavirus infection should be carried out in the population	R	R
I am worried that the pandemic will have economic consequences for me in the future	R	R
Restrictions (Some restrictions have now been changed related to COVID-19. Please indicate, to which degree you support the following decisions (pandemic transition phase))		
Restrictions on overnight traffic in the city and Travel restrictions to red* and orange* locations for non-native persons	A	A
Seals or serious crimes of guilds that did not comply with the restrictions of activity	A	A
Serious punishment for people who held mass ceremonies during the restrictions	A	A
School closures	A	A
Suspending some jobs	A	A
Teleworking of employees during pandemic	A	A
*Remained: R, added as a new item: A, not included in shorten through adaption Persian version: N, Modified Item: M		

Regions, where is "substantial" (orange) or "high" (red) in COVID-19 transmission, have more than 50 cases per 100,000 population in a seven-day period or a COVID-19 test positivity rate is higher than 5%.