Experimental protocol and the priming module

Covid-19 Crisis Fuels Hostility against Foreigners

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[English translation, original version in Czech]

1 Experimental protocol – Help-or-Harm task

Now there will be a different activity. In contrast to traditional survey questions, you are to make several decisions that may have real consequences on the financial reward received by someone else. We will ask you whether you want to increase or decrease the reward of several people. Each of them is a different person, and none of them participated in this survey. After this survey, we will randomly select thirty participants and select one of their decisions that will determine the reward for someone else. Please make your decisions carefully, because each of your decisions may play a role.

Now please make a decision for each of the persons listed below. If you decide not to change their reward, they will receive CZK 100. But you can decide to increase or decrease their reward to any amount between CZK 0 and CZK 200. Please use the slider to determine the reward for each of these individuals.

[Decision-making environment displayed in Supplementary Fig. 1 was displayed on a separate screen for each of the following 17 people]

- A person living in your region
- A person living in another region in the Czech Republic
- A person living in Prague
- A person whose political opinions are close to yours (i.e., votes for the same political party)
- A person whose political opinions are different from yours (i.e., votes for a party from the opposite side of the political spectrum)
- A person who identifies as a member of the majority population in the Czech Republic
- A person who identifies as a member of the Roma ethnic minority
- A person living in the Czech Republic
- A person who moved to the Czech Republic in the last five years
- A person living in the EU
- A person living in the USA
- A person living in Africa
- A person living in Asia
- A person living in the Czech Republic, with no religious affiliation
- A person living in the Czech Republic, Christian affiliation
- A person living in the Czech Republic, Muslim affiliation
- A person living in the Czech Republic, Jewish affiliation

2 Wording of the priming module

1. Was anyone from your household abroad in the last eight weeks (since the beginning of February)?
Yes / No

2. Which countries did the member of your household visit?
You can choose multiple options.
Italy / Germany / Austria / Spain / France / Great Britain / China / Another country (which?)

3. Do you know anyone who has been identified to be infected with coronavirus?
Choose one answer. Refer only to those people whom you know personally (including members of your household) or through your friends – not people from the media.
Yes, and we were in personal contact / Yes, I was in contact with a person who has been in contact with an infected person / Yes, but we were not in contact / I don't know anyone

4. Does anyone from your household know a person who has been identified to be infected with coronavirus?
Choose one answer. Refer only to those people whom you know personally (including members of your household) or through your friends – not people from the media.
Yes, and they were in personal contact / Yes, he/she was in contact with a person who has been in contact with an infected person / Yes, but they were not in contact / He/she does not know anyone / I don't know

5. Do you know anyone who has been quarantined due to coronavirus symptoms or because he has returned from a risky area? If yes, have you been in contact with that person in the last 14 days?
Choose one of the options.
Yes, and we were in personal contact / Yes, but we were not in contact / I don't know anyone

6. Now, as in the last survey, we will ask you about activities in which you have engaged. This time, we will ask about the last two weeks (16-22 March and 23-29 March).
Now we will ask you about the week from 16 to 22 March. Try to think carefully and recall whether you or anyone from your household engaged in any of the following activities.
Please state whether you personally engaged in any of the following activities in the week between 16 and 22 March, i.e., after the nation-wide lockdown was imposed, and how many times.

- Riding in a crowded means of public transit, train, or bus
- Shopping in a shop (or going to a bank, post office) with a larger number of people present
- Buying unpackaged food
- Visiting a restaurant or pub
- Visiting a doctor or medical or social institution (retirement homes, hospitals, day care centres, etc.)
- Visiting family or friends (in their or in your home)
- Going on vacation or a trip with multiple people
- Visiting a fitness club, sports facility, playing team sports
- Use of public toilets
- Taking a taxi
- Walking in a park, in the city, etc. in the company of more than one person

- Going to my cottage/summer house and communicating with the locals

I did not engage in the activity / I did, once or twice / I did, several times / How many times [numeric answer]

7. Please state whether anyone from your household engaged in any of the following activities in the week between 16 and 22 March, i.e., after the nation-wide lockdown was imposed.
You can choose multiple options.

- Riding in a crowded means of public transit, train, or bus
- Shopping in a shop (or going to a bank, post office) with a larger number of people present
- Buying unpackaged food
- Visiting a restaurant or pub
- Visiting a doctor or medical or social institution (retirement homes, hospitals, day care centres, etc.)
- Visiting family or friends (in their or in your home)
- Going on vacation or a trip with multiple people
- Visiting a fitness club, sports facility, playing team sports
- Use of public toilets
- Taking a taxi
- Walking in a park, in the city, etc. in the company of more than one person
- Going to my cottage/summer house and communicating with the locals
- Don't know / No other person from my household engaged in any of the activities listed in that week

8. Were you at work in the week between 16 and 22 March or did you work from home?
Choose one of the options.
I was present at work / I did telework (I worked from my home) / Roughly half and half / I did not work

9. Based on this description of the period from 16 to 22 March, try to recall how many different people you met at work, during sports, on a trip, etc. With how many people do you estimate you talked for at least 5 minutes? Give at least a rough estimate.
Write number.
Number / Don't know, I am not able to estimate

10. Now we will ask you about last week, the week from 23 to 29 March. Try to think carefully and recall whether you or anyone from your household engaged in any of the following activities. Please state if you engaged in any of the following activities in the week between 23 and 29 March, and how many times.

- Riding in a crowded means of public transit, train, or bus
- Shopping in a shop (or going to a bank, post office) with a larger number of people present
- Buying unpackaged food
- Visiting a restaurant or pub
- Visiting a doctor or medical or social institution (retirement homes, hospitals, day care centres, etc.)
- Visiting family or friends (in their or in your home)

- Going on vacation or a trip with multiple people
- Visiting a fitness club, sports facility, playing team sports
- Use of public toilets
- Taking a taxi
- Walking in a park, in the city, etc. in the company of more than one person
- Going to my cottage/summer house and communicating with the locals

I did not engage in the activity / I did, once or twice / I did, several times / How many times [numeric answer]

11. Please state whether anyone from your household engaged in any of the following activities last week, i.e., in the week between 23 and 29 March.
You can choose multiple options.

- Riding in a crowded means of public transit, train, or bus
- Shopping in a shop (or going to a bank, post office) with a larger number of people present
- Buying unpackaged food
- Visiting a restaurant or pub
- Visiting a doctor or medical or social institution (retirement homes, hospitals, day care centres, etc.)
- Visiting family or friends (in their or in your home)
- Going on vacation or a trip with multiple people
- Visiting a fitness club, sports facility, playing team sports
- Use of public toilets
- Taking a taxi
- Walking in a park, in the city, etc. in the company of more than one person
- Going to my cottage/summer house and communicating with the locals
- Don't know / No other person from my household engaged in any of the activities listed in that week

12. Were you at work in the week between 23 and 29 March or did you work from home?
Choose one of the options.
I was present at work / I did telework (I worked from my home) / Roughly half and half / I did not work

13. Based on this description of the period from 23 to 29 March, try to recall how many different people you met at work, during sports, on a trip, etc. With how many people do you estimate you talked for at least 5 minutes? Give at least a rough estimate.
Write number.
Number / Don't know, I am not able to estimate

14. With a view to the present coronavirus epidemic, to which preventive measures do you adhere?
You can choose multiple options.

- I avoid people who cough or sneeze
- I avoid places where there are many people
- I wear a mask or a respirator
- I restrict personal contact with people (handshakes, etc.)
- I use a sanitizer
- I avoid people who are in contact with an infected individual

- I avoid public transit
- I take vitamins to boost my immunity
- I try not to touch my eyes, mouth, or nose
- I nearly do not leave my house
- Attentiveness test: please mark this option so that we know that you are paying attention when completing the form
- I wash my hands thoroughly (with water and soap for at least 20 seconds) more frequently than usual
- I wash my hands thoroughly after sneezing or coughing
- I wash my hands thoroughly after using mass transport
- I do not adhere to any of the above measures

14A. There was an attention test among the answers in the previous question which you may not have noticed. Please try to mark that answer now and please pay more attention to completing the questionnaire.
Attention test: please mark that option so that we know that you are paying attention when completing the form

15. What type of mask do you use?
Choose one of the options.
Respirator / Paper mask / Cotton mask / Something else (scarf, piece of clothing)

16. Have you or anyone from your household been tested for coronavirus?
Choose one answer in each column.

- I
- Someone from my household

Yes / No

17. Tell us specifically when, where, using what test, and with what outcome you and all members of your household have been tested.

You / The oldest household member (except for you) / Second oldest household member (except for you) / Third oldest household member (except for you) / Fourth oldest household member (except for you) / Fifth oldest household member (except for you) / Sixth oldest household member (except for you) / Seventh oldest household member (except for you) / Eighth oldest household member (except for you) / Ninth oldest household member (except for you)

Has been tested: Has not been tested / Once / Twice
When: Date of 1st test, date of 2nd test
Where: In hospital / In a private laboratory / Another sampling point
How: Out-patient express test / Laboratory test
Outcome: Positive / Negative / Don't know

18. Besides the occurrence of coronavirus, the flu season is currently coming to its end in the Czech Republic. Thinking objectively, which of the following symptoms have you felt in the last few days or are feeling now?
Choose one answer in each line.

- Higher temperature (higher than 37 °C)

- Dry cough
- Shortness of breath
- Inability to hold one's breath for 10 seconds without the urge to cough (try now)
- Headache
- Muscle ache
- Sore throat
- Nausea
- Diarrhoea
- Cold
- Frequent sneezing

Yes / No / Don't know

19. Have you attempted to contact a physician, medical emergency service, public health authorities, information, or any other assistance in relation to coronavirus in order to have yourself or any member of your household tested?
Choose one of the options.
Yes / No

20. Has any member of your household felt unwell or had medical difficulties in recent days?
Choose one of the options.
Yes / No

21. Has any member of your household had in recent days or is he currently suffering from any of the following symptoms?
Choose one answer in each line.

- Higher temperature (higher than 37 °C)
- Dry cough
- Shortness of breath
- Inability to hold one's breath for 10 seconds without the urge to cough (try now)
- Headache
- Muscle ache
- Sore throat
- Nausea
- Diarrhoea
- Cold
- Frequent sneezing

Yes / No / Don't know

22. How many children under 18 years or students are there in your household?
Write number.

23. Please state the number of children and students in your household.
Write number.

- Preschool age children who do not attend kindergarten / crèche
- Preschool age children who attend kindergarten / crèche
- Children attending lower level of primary school
- Children attending higher level of primary school

- Children attending secondary school
- University students

24. Teachers and schools use different ways for assigning tasks to children during the school closure due to the coronavirus epidemic. Do teachers assign tasks and work to children in your household who are attending primary or secondary school in the following ways?
Choose one option on each line. If you have several children, please refer to the youngest one attending primary or secondary school.

- They telephone the child and explain his tasks to him
- They chat with the child and explain his tasks to him (FB, WhatsApp, Skype, Messenger…)
- They assign work by e-mail
- They post homework on the school's website where parents have to look it up
- They assign tasks via a standard environment used by the school throughout the year (applications such as Bakalář, Škola online, etc.).
- They assign tasks via a special environment created recently for the state of emergency situation

Every/nearly every school day / Several times per week / Once a week / Once every two weeks / Less frequently / Not at all

25. Please state, on a scale from 0 to 10, whether you are happy with your children's school's current approach to instruction?
Move the slider to choose between the two opposites on a scale from 0 to 10.
Very dissatisfied …. Very satisfied

26. How many hours per day are you or another household member currently (i.e., after school closure) spending on studying with your children and doing the tasks assigned by their school?
Write number. If you have several children, please refer to the youngest one attending primary or secondary school.

27. How many hours per day is your child currently (i.e., after school closure) spending on studies and doing his homework?
Write number. If you have several children, please refer to the youngest one attending primary or secondary school.

28. Now we will ask a few questions concerning your job. Has any change occurred in your job during the last two weeks?
Choose one of the options.
No, I am still working at the same position / My position has changed / Yes, I have changed jobs / Yes, I have lost my job

29. Has anyone in your household lost their job during the last two weeks?
Choose one of the options.
Yes / No

30. On average, how many hours per week did you work in the month before the coronavirus epidemic in the Czech Republic (February 2020)?
Write number.

31. How many hours did you work in the week from 16 to 23 March?
Write number.

32. How many hours did you work in the week from 23 to 29 March?
Write number.

33. How much do you currently fear that you may lose your job?
Move the slider to choose between the two opposites on a scale from 0 to 10.
Not at all ….. Very much

34. How would you rate your financial situation in the last two weeks?
Move the slider to choose between the two opposites on a scale from 0 to 10.
Very difficult ….. Very good

35. Some households have lost a part of their income due to the quarantine or closing of schools. To what percentage of the regular amount has the income of your entire household dropped in the last two weeks?
Move the slider to choose between the two opposites on a scale from 0 to 100%.
We were left with no income = 0% ….. We have retained all our income = 100%

36. In case your household experienced a complete loss of income, how long do you estimate your savings would allow you to cover your expenses?
Choose one of the options.
Less than a week / 1 week / 2 weeks / 3 weeks / 1 month / 2 months / 3 months / About 6 months / More than 6 months

37. Are you considering any of the measures listed below to address your present financial situation?
You can choose multiple options.

- Loan from family or friends
- Loan from a bank or credit company
- Sale of assets
- Significant reduction of the food bill
- Significant reduction of expenditures on consumables (clothing, household equipment)
- Looking for cheaper accommodation
- Looking for a different or another job
- Not considering any of these measures

38. Is your household currently experiencing problems with the regular payments of any of the items listed below?
Choose one answer in each line.

- Mortgage or rent
- Loan or credit
- Regular household expenditures (e.g., bills)

Yes / No / Does not apply to us – we do not have that expense / Don’t know

39. What is currently the aggregate net monthly income of your household?

In the income, include all income from employment, pensions, rent, and benefits received by members of your household that are available to you in spite of the changes related to the coronavirus epidemic. Choose one answer.

UP to 10,000 CZK / 10,001 - 15,000 CZK / 15,001 - 20,000 CZK / 25,001 - 30,000 CZK / 30,001 - 35,000 CZK / 40,001 - 50,000 CZK / 50,001 - 60,000 CZK / More than 60,000 CZK / Don't know

40. Overall, how happy are you feeling now?
Move the slider to choose between the two opposites on a scale from 0 to 10.
Very unhappy ….. Very happy

41. Please state how often you experienced the following difficulties in the last two weeks.
Choose one answer in each line.

- I had trouble falling or staying asleep or was sleeping too much
- I felt nervous, anxious, or on edge
- I had poor appetite or was overeating
- Attention check (choose "For several days")
- I felt tired or had little energy
- I had little interest or pleasure in doing things
- I was becoming easily annoyed or irritable

Not at all / For several days / More than half of the days / Almost every day

41A. There was an attention test among the answers in the previous question which you may not have noticed. Please try to mark that answer now and please pay more attention to completing the questionnaire.
Attention test: please mark that option so that we know that you are paying attention when completing the form

42. Please state how often in the last two weeks you felt the following way.
Choose one answer in each line.

- I had the feeling that I do not have control over important things in my life
- I felt confident about my ability to handle my personal problems
- I felt like things were going my way
- I felt that my problems are piling up so high that I could not overcome them

Never / Nearly never / Sometimes / Relatively frequently / Very frequently

43. What are your feelings concerning the current coronavirus epidemic? You are…
Move the slider to choose between the two opposites on a scale from 0 to 10.
Very calm ….. Very much worried