

Mechanical Turk

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Consent Form

Title of Study: COVID-19 Outbreak Behavior Experimental Simulation Game and
Survey: Accounting for the Heterogeneity of Human Behavior to Prevent Infection
Spread Due to Pro-Environmental Attitudes and Behaviors

Principal Investigators (PI): Christopher Koliba and Scott C. Merrill

Funder: Gund Institute for Environment, University of Vermont

Introduction

You are being invited to take part in this research study about how people make decisions. You must be 18 years of age or older to participate. This study is being conducted by Scott Merrill, a Research Assistant Professor in the Plant and Soil Science Department at the University of Vermont

Purpose

We plan to study how and why people comply with social distancing and other public health measures during an active pandemic.

Study Procedures

If you take part in the study, you will be asked to take part in an experimental economics and behavioral theory study that will be run as a simulated game and/or survey. Your will be asked to respond to a series of questions or scenarios that will be framed around different conditions associated with COVID-19, including different risk information. Surveys and Games will be run on computers. Computer games will simulate participation in everyday activities like going to the grocery store or park. Your participation in the survey and/or experimental game is expected to last approximately ½ hour.

Benefits

There are no substantial benefits to you from the research. By learning more about people's decision-making, we hope that the research will benefit society by increasing our understanding how individual behavior will impact health, economic status and management policy.

Risks

The risk for participating in this study is minimal. The information being collected will be coded to protect your identity and the potential risk for an accidental breach of confidentiality. You have no greater risk from the study than you would from doing a similar amount of routine paperwork in a similar setting.

Costs

There will be no costs to you for participation in this research study, other than your time.

Compensation

Compensation is directed by Amazon Mechanical Turks

Confidentiality

All information collected about you during the course of this study will be stored without any identifiers. No one will be able to match you to your answers. All research information will be kept in a confidential form at the University of Vermont. The results of this study may eventually be published, but your confidentiality will be maintained. All participants are asked to keep their responses to all parts of the experiment confidential.

Voluntary Participation/Withdrawal

Taking part in this study is voluntary. You may discontinue your participation in this study at any time. You may choose not to take part in this study, or if you decide to take part, you can change your mind at any time during the game or before submitting the post-game survey and your data will be discarded.

Questions

You may contact Dr. Scott Merrill or Dr. Chris Koliba, the Investigators in charge of this study, at 802-656-0711 or scmerril@uvm.edu for more information about this study.

If you have questions or concerns about your rights as a research participant, then you may contact the Director of the Research Protections Office at (802) 656-5040.

It is recommended you print this information sheet for your records before continuing.

Do you consent to participate in this study?

☐ Yes

Family Composition

How many people in the following age groups currently live in your household (household defined as those currently living within your household, including family and non-family members)?

Please choose the appropriate response for each item:

	0	1	2	3	4	5	6	7+
Adults over 65:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Adults 18-65:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Children 5-17:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Children under 5:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

COVID Specific Questions

Current social distancing practices (e.g., frequency of

In this section, we will ask about your current social distancing practices (e.g., frequency of contact, size of social contact circle, mask-usage). In this section and throughout the survey, we are interested in your honest answers. Your responses will be confidential and protected.

In the last seven days, other than for essential shopping and work, how many people outside of your household have you seen socially, in person, for more than 5 minutes?

- ☐ None
- ☐ 1
- ☐ 2-3
- ☐ 4-6
- ☐ 7-10
- ☐ 10+

In the last seven days, other than for essential shopping, work, and childcare, how many people outside of your household have you seen socially, in person, for more than 5 minutes?

- ☐ None

- ☐ 1
- ☐ 2-3
- ☐ 4-6
- ☐ 7-10
- ☐ 10+

In the last seven days, other than for essential shopping and work, **how often** have you had in person social interactions for more than 5 minutes with people outside of your household?

- ☐ Never
- ☐ Once
- ☐ 2-3 times
- ☐ Daily
- ☐ Multiple Times per Day

In the last seven days, other than for essential shopping, work, and childcare, **how often** have you had in person social interactions for more than 5 minutes with people outside of your household?

- ☐ Never
- ☐ Once
- ☐ 2-3 times
- ☐ Daily
- ☐ Multiple Times per Day

In the past seven days, when you've had in person social interactions with people outside of your household, how often did those interactions include the following COVID-19 precautions:

	About half	Most of the	
Never	Sometimes	the time	time
			Always

	Never	Sometimes	About half the time	Most of the time	Always
Mask wearing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Distancing at least six feet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Staying outdoors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In the last seven days, have you done the following:

	Yes	No	Unsure
Attended a gathering with more than 50 people, such as a reunion, wedding, funeral, birthday party, concert, or religious service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hired a babysitter or nanny for childcare in your home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Had close contact (within 6 feet) with people who do not live with you	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used daycare, summer camp, school, or preschool for childcare	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gone out to a bar, club, or other place where people gather	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gone to an indoor gym, yoga, or fitness class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gone to the grocery store or pharmacy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Yes	No	Unsure
Sought care from a hospital or health care facility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gone to a restaurant for takeout	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gone to a restaurant for outdoor dining	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Joined with or maintained a pod with another household for exclusive non-distanced socializing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gone to a friend, neighbor, or relative's residence (that is not your own)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Had visitors such as friends, neighbors or relatives at your residence	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Received in-person childcare help from a family member or friend	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Been placed in isolation or quarantine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gone to an outdoor gym, yoga, or fitness class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Yes	No	Unsure
Remained in your residence at all times, except for essential activities or exercise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gone to a restaurant for indoor dining	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attended a gathering with more than 10 people, such as a reunion, wedding, funeral, birthday party, concert, or religious service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gone outside to walk, hike, or exercise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Had close contact (within 6 feet) with people who live with you	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Which of the following have you done in the last seven days to keep yourself safe from coronavirus? Only consider actions that you took or decisions that you made personally.

	Yes	No
Washed your hands with soap or used hand sanitizer several times per day	<input type="radio"/>	<input type="radio"/>
Canceled or postponed air travel for work	<input type="radio"/>	<input type="radio"/>

	Yes	No
Canceled or postponed air travel for pleasure	<input type="radio"/>	<input type="radio"/>
Canceled or postponed work or school activities	<input type="radio"/>	<input type="radio"/>
Canceled or postponed personal or social activities	<input type="radio"/>	<input type="radio"/>
Visited a doctor	<input type="radio"/>	<input type="radio"/>
Canceled a doctor's appointment	<input type="radio"/>	<input type="radio"/>
Stockpiled food or water	<input type="radio"/>	<input type="radio"/>
Avoided contact with people who could be high-risk	<input type="radio"/>	<input type="radio"/>
Avoided public spaces, gatherings, or crowds	<input type="radio"/>	<input type="radio"/>
Prayed	<input type="radio"/>	<input type="radio"/>
Avoided eating at restaurants	<input type="radio"/>	<input type="radio"/>
Stockpiled hand sanitizer or disinfectant wipes	<input type="radio"/>	<input type="radio"/>
Worked or studied at home	<input type="radio"/>	<input type="radio"/>
Worn a mask or other face covering	<input type="radio"/>	<input type="radio"/>
Stockpiled medication	<input type="radio"/>	<input type="radio"/>
Held social activities outdoors instead of indoors	<input type="radio"/>	<input type="radio"/>

Yes

No

Voluntarily kept your children out of childcare, school, or camps

☐☐

Do you think the average U.S. household is doing more than, about the same as, or less than your household with regards to social distancing measures described above?

- ☐ More than
- ☐ Same as
- ☐ Less than

In your community, for every 100 people you see in public, indoor spaces, about how many people were wearing masks?

0 10 20 30 40 50 60 70 80 90 100

The number of people were wearing masks out of 100

In your circle of local friends, family, and neighbors, how common are large (10 people or more) social gatherings?

- ☐ Rare
- ☐ Less frequent than they were pre-COVID
- ☐ About as frequent as they were pre-COVID
- ☐ More frequent than they were pre-COVID

How much do you agree or disagree with the following statement: Practicing social distancing and other precautions is a moral obligation to protect those around me from COVID-19.

- ☐ Strongly agree
☐ Agree
☐ Neither agree nor disagree
☐ Disagree
☐ Strongly disagree

Out of the past five days when you worked, how many of those days did you work from home?

- 0 1 2 3 4 5 Not applicable
☐ ☐ ☐ ☐ ☐ ☐ ☐

Outdoor Use Questions

In this section, we are going to ask a bit about your access to and use of outdoor spaces like parks, forests, and trails.

About how far is the closest _____ from your home?

- | | within a
10
minute
walk (less
than a
half mile) | within a 5
minute
drive
(less than
5 miles) | within a
15
minute
drive
(between
5 and 15
miles) | within a 1
hour
drive
(between
15 and
60 miles) | more
than 1
hour
away
(more
than 60
miles) | I don't
know |
|------------|--|---|---|--|--|-----------------------|
| Playground | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

	within a 10 minute walk (less than a half mile)	within a 5 minute drive (less than 5 miles)	within a 15 minute drive (between 5 and 15 miles)	within a 1 hour drive (between 15 and 60 miles)	more than 1 hour away (more than 60 miles)	I don't know
Park of any kind	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Park that has unpaved areas and/or greenspace	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Private land with greenspace that you have permission to access	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hiking trail	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public swimming area, not including public pools or splash parks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public pool or splash park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fishing area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Do you have a backyard?

- ☐ Yes
- ☐ No

Do you have a porch, balcony, or patio?

- ☐ Yes
- ☐ No

Before the pandemic, about how often would you visit the following types of parks and outdoor spaces?

	daily	2-3 times per week	weekly	monthly	2-3 times per year	yearly	almost never
Playground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Park of any kind	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Park that has unpaved areas and/or greenspace	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Backyard	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Balcony, Porch, or Patio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Private land with greenspace	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hiking trail	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public swimming area, not including public pools or splash parks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public pool or splash park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fishing area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In the last month, have you visited the following types of parks and outdoor spaces?

	Yes	No
Playground	<input type="radio"/>	<input type="radio"/>
Park of any kind	<input type="radio"/>	<input type="radio"/>
Park that has unpaved areas and/or greenspace	<input type="radio"/>	<input type="radio"/>

	Yes	No
Private land with greenspace	<input type="radio"/>	<input type="radio"/>
Hiking trail	<input type="radio"/>	<input type="radio"/>
Public swimming area, not including public pools or splash parks	<input type="radio"/>	<input type="radio"/>
Public pool or splash park	<input type="radio"/>	<input type="radio"/>
Fishing area	<input type="radio"/>	<input type="radio"/>

People use parks and outdoor spaces for many different reasons. We are interested in learning more about the reasons you use outdoor spaces both before the pandemic and in recent times.

Before the pandemic, how important were parks and outdoor spaces to you personally for ____?

	Extremely important	Very important	Somewhat important	Not very important	Not at all important	N/A (did not use)
Physical exercise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social interaction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Recreation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Relaxation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stress or anxiety relief	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Management of depression	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Management of anxiety disorder	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spiritual practice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling connected with nature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Extremely important	Very important	Somewhat important	Not very important	Not at all important	N/A (did not use)
Happiness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Educational purposes (informal or formal)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Children's playtime	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In the past month, how important have parks and outdoor spaces been to you personally for ____?

	Extremely important	Very important	Somewhat important	Not very important	Not at all important	N/A (did not use)
Physical exercise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social interaction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Recreation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Relaxation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stress or anxiety relief	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Management of depression	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Management of anxiety disorder	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spiritual practice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling connected with nature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Happiness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Educational purposes (informal or formal)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Children's playtime	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Risk perceptions of COVID-19 (including perceived risk of infection in

parks)

In this section, we are interested in your opinions about the risks of being exposed to and contracting COVID-19.

How safe or unsafe are the following actions for avoiding exposure to coronavirus?

	Extremely Safe	Somewhat Safe	Somewhat Unsafe	Extremely Unsafe	Unsi
Dining outdoors at restaurants not practicing social distancing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	C
Having a babysitter or nanny come to your house to care for your children	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	C
Attending gatherings of more than 50 people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	C
Going camping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	C
Interacting closely with other members of your household	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	C
Going to a local greenspace (e.g., city/town park, town green, nature park)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	C
Dining indoors at restaurants practicing social distancing (e.g., tables are six feet apart)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	C
Going to the hospital	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	C
Traveling to camp or hike in a state or national park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	C
Touching door knobs, countertops, and other surfaces in your home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	C
Grocery Shopping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	C

	Extremely Safe	Somewhat Safe	Somewhat Unsafe	Extremely Unsafe	Unsi
Running, walking or biking near other people	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sending your kids to school, daycare, or summer camp	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Going to a local beach, lake, or river	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Visiting with relatives or friends in their home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Handling packages that have been delivered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Going outside to walk, hike, or exercise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Eating take-out meals from restaurants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dining indoors at restaurants not practicing social distancing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dining outdoors at restuarants practicing social distancing (e.g., tables are six feet apart)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Going to an indoor gym, yoga, or fitness class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attending gatherings of more than 10 people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Playing on playground equipment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Have you contracted COVID-19 during this pandemic? (choose the answer that best describes your experience)

- ☐ Yes, I tested positive
- ☐ Probably, I was told by a doctor that I likely had COVID-19 but did not test positive.
- ☐ Probably, I had what I believe were COVID-19 caused symptoms but did not test positive (whether or not you took a test).
- ☐ Probably not, I had COVID-19 like symptoms but tested negative.
- ☐ No, not to my knowledge



Other

On a scale of 0 to 100 percent, what is the chance that you will get the coronavirus in the next three months? If you're not sure, please give your best guess.

0 10 20 30 40 50 60 70 80 90 100
%

If you do get the coronavirus, what is the percent chance you will die from it? If you're not sure, please give your best guess.

0 10 20 30 40 50 60 70 80 90 100
%

Do you agree or disagree with the following statements?

The childhood vaccines, such as those for measles and chickenpox:

	Strongly disagree	Disagree	Agree	Strongly agree
May lead to illness and death	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provide important benefits to society	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are useful and effective	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have many known harmful side effects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How likely are you to get vaccinated for coronavirus once a vaccination is available to the public?

- ☐ Very unlikely
- ☐ Somewhat unlikely
- ☐ Somewhat likely
- ☐ Very likely
- ☐ Unsure

How do you feel about the possibility that you or someone in your immediate family might become seriously ill from COVID-19 (coronavirus disease)?

- ☐ Very worried
- ☐ Somewhat worried
- ☐ Not too worried
- ☐ Not worried at all

Without looking it up, how many people would you estimate have contracted COVID-19 in your state over the past week?

Without looking it up, how many people would you estimate have died from COVID-19 in your state over the past week?

Perceived efficacy of recommended COVID-19 risk mitigation actions

In this section, we are interested in your opinions on the effectiveness of different COVID-19 precautions.

How **effective** are the following actions for keeping you and those around you safe from coronavirus?

	Extremely Ineffective	Somewhat Ineffective	Somewhat Effective	Extremely Effective	Unsure
Keeping schools and classes remote	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avoiding public parks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avoiding restaurants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seeing a doctor if you feel sick	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avoiding public spaces, gatherings, and crowds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avoiding hospitals and clinics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wearing a face mask or other face covering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Washing your hands with soap or using hand sanitizer frequently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Staying at least 6 feet away from others at all times	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avoiding outdoor social gatherings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seeing a doctor if you feel healthy but worry that you were exposed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avoiding airplanes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Praying	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avoiding gathering indoor social gatherings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Extremely Ineffective Somewhat Ineffective Somewhat Effective Extremely Effective Unsure

Avoiding contact with people who could be high-risk

☐ ☐ ☐ ☐ ☐

Personal and Community impact of COVID-19

In this section, we are interested in the impact of COVID-19 on you and your community.

Do you know anyone with a suspected or confirmed case of COVID-19? If so, who? Check all that apply.

- ☐ Yes, family
- ☐ Yes, friend(s)
- ☐ Yes, myself
- ☐ Yes, other
- ☐ No, I don't know anyone

Do you know anyone who has been in hospital based intensive care (ICU) or died from COVID-19? If so, who? Check all that apply.

- ☐ Yes, family
- ☐ Yes, friend(s)
- ☐ Yes, myself
- ☐ Yes, other
- ☐ No, I don't know anyone

Do you know anyone who has had a positive test for COVID-19? If so, who? Check all that apply.

- ☐ Yes, family
- ☐ Yes, friend(s)
- ☐ Yes, myself
- ☐ Yes, other
- ☐ No, I don't know anyone

Risk factors (current health conditions)

In this section, we are interested in the risk factors that might affect your likelihood of having a severe illness or serious financial consequences from contracting COVID-19.

Do you currently have health insurance?

- ☐ Yes
- ☐ No
- ☐ Unsure
- ☐ I'd prefer not to say

If you get sick, how many days can you stay home from your job and still get paid?

- | | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 0 | 1-7 | 8-14 | More than 14 | Unsure |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

According to the CDC, people with the following pre-existing conditions may be at a higher risk of contracting COVID-19: chronic lung disease, moderate to severe asthma, serious heart conditions, compromised immune system, severe obesity (BMI > 40), diabetes, chronic kidney disease undergoing dialysis, liver

disease. Do you or other members of your household have any of these pre-existing conditions that may increase your risks of severe illness or death if you contract COVID-19?

- ☐ Yes
☐ No
☐ Unsure
☐ I'd prefer not to say

Current financial security (food security, job status) and mental health

In this section, we are interested in learning about your stress and anxiety levels.

Have you or anyone in your household experienced a loss of income or job since the COVID-19 outbreak (March 11th)? Check all that apply.

	Happened at all since COVID-19 outbreak (March 11th)	Still happening today
Yes, lost job	<input type="checkbox"/>	<input type="checkbox"/>
Yes, reduced hours or income at job	<input type="checkbox"/>	<input type="checkbox"/>
Yes, furloughed	<input type="checkbox"/>	<input type="checkbox"/>
No, have not had any changes in job	<input type="checkbox"/>	<input type="checkbox"/>

Over the past fourteen days, how often have you been bothered by any of the following problems?

Not at all Several days More than half the days Nearly every day

	Not at all	Several days	More than half the days	Nearly every day
Feeling nervous, anxious, or on edge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not being able to stop or control worrying	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling down, depressed, or hopeless	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Little interest or pleasure in doing things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Over the past fourteen days, how often have you been bothered by any of the following problems?

	Never	Almost Never	Sometimes	Fairly Often	Very Often
That you were unable to control the important things in your life?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Confident about your ability to handle personal problems?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
That things were going your way?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Difficulties were piling up so high that you could not overcome them?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Measure of Pro-Environmental Attitudes (NEP)

In this section, we are interested in your beliefs about humans and the environment.

Listed below are statements about the relationship between humans and the environment. For each one, please indicate whether you strongly agree, agree, neither agree nor disagree, disagree, or strongly disagree.

	strongly agree	agree	neither agree nor disagree	disagree	strongly disagree
We are approaching the limit of the number of people the earth can support	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Humans have the right to modify the natural environment to suit their needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When humans interfere with nature it often produces disastrous consequences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Human ingenuity will ensure that we do NOT make the earth unlivable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Humans are severely abusing the environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The earth has plenty of natural resources if we just learn how to develop them	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	strongly agree	agree	neither agree nor disagree	disagree	strongly disagree
Plants and animals have as much right as humans to exist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The balance of nature is strong enough to cope with the impacts of modern industrial nations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Despite our special abilities humans are still subject to the laws of nature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The so-called "ecological crisis" facing humankind has been greatly exaggerated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The earth is like a spaceship with very limited room and resources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Humans were meant to rule over the rest of nature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The balance of nature is very delicate and easily upset	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Humans will eventually learn enough about how nature works to be able to control it	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	strongly agree	agree	neither agree nor disagree	disagree	strongly disagree
If things continue on their present course, we will soon experience a major ecological catastrophe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Measure of general altruistic/pro-social tendencies

In this section, we are interested in the different ways you have helped those around you.

Check the category on the right that conforms to the frequency with which you have carried out the following acts.

	Never	Once	More than once	Often	Very often	Not Applicable
1. I have helped push a stranger's car out of the snow.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. I have given directions to a stranger.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. I have made change for a stranger.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. I have given money to a charity.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. I have given money to a stranger who needed it (or asked me for it).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Never	Once	More than once	Often	Very often	Not Applicable
6. I have donated goods or clothes to a charity.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. I have done volunteer work for a charity.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. I have donated blood.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. I have helped carry a stranger's belongings (books, parcels, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10. I have delayed an elevator and held the door open for a stranger.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11. I have allowed someone to go ahead of me in a lineup (at photocopy machine, in the supermarket).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. I have given a stranger a lift in my car for free.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13. I have pointed out a clerk's error (in a bank, at the supermarket) in undercharging me for an item.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Never	Once	More than once	Often	Very often	Not Applicable
14. I have let a neighbour whom I didn't know too well borrow an item of some value to me (e.g., a dish, tools, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15. I have bought "charity" Christmas cards deliberately because I knew it was a good cause.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16. I have helped a classmate who I did not know that well with a homework assignment when my knowledge was greater than his or hers.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17. I have before being asked, voluntarily looked after a neighbour's pets or children without being paid for it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18. I have offered to help a handicapped or elderly stranger across a street.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19. I have offered my seat on a bus or train to a stranger who was standing.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Never	Once	More than once	Often	Very often	Not Applicable
20. I have helped an acquaintance to move households.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Trust in science

In this section, we are interested in your opinions about scientists and other leaders who affect public health.

How much confidence, if any, do you have in each of the following to act in the best interests of the public?

	A great deal	A fair amount	Not too much	No confidence at all
Elected officials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The news media	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The military	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Medical scientists	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scientists	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Religious leaders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public school principals for grades K-12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Business leaders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Doctors and nurses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Which of these statements comes closer to your own view, even if neither is exactly right?

- ☐ Scientists should take an active role in public policy debates about scientific issues
- ☐ Scientists should focus on establishing sound scientific facts and stay out of public policy debates

Which of these statements comes closer to your own view, even if neither is exactly right?

- ☐ Public opinion should play an important role to guide policy decisions about scientific issues
- ☐ Public opinion should NOT play an important role to guide policy decisions about scientific issues because these issues are too complex for the average person to understand

In general, would you say scientific experts are...

- ☐ Usually BETTER at making good policy decisions about scientific issues than other people
- ☐ Usually WORSE at making good policy decisions about scientific issues than other people
- ☐ NEITHER BETTER NOR WORSE at making good policy decisions about scientific issues than other people

Risk preferences

Risk preferences

In this section, you will have another chance to earn additional money.

You will be presented with two different lotteries. Lottery A and Lottery B will have different payoffs with different odds. To have a chance to earn additional money, you will choose between lottery A and lottery B.

You will make 10 different choices between lotteries.

One of these choices will be randomly drawn. For that lottery choice, one of the payoffs will be randomly drawn according to the probabilities given in the lottery. You will be paid the amount drawn in addition to your previous earnings in this survey.

This additional payment will be issued to you as a bonus from Amazon Mechanical Turk after completion of the survey.

Which lottery would you rather play?

- ☐ Lottery A: 1/10 chance of winning \$0.60, 9/10 chance of winning \$0.50
- ☐ Lottery B: 1/10 chance of winning \$1.15, 9/10 chance of winning \$0.03

Which lottery would you rather play?

- ☐ Lottery A: 2/10 chance of winning \$0.60, 8/10 chance of winning \$0.50
- ☐ Lottery B: 2/10 chance of winning \$1.15, 8/10 chance of winning \$0.03

Which lottery would you rather play?

- ☐ Lottery A: 3/10 chance of winning \$0.60, 7/10 chance of winning \$0.50
- ☐ Lottery B: 3/10 chance of winning \$1.15, 7/10 chance of winning \$0.03

Which lottery would you rather play?

- ☐ Lottery A: 4/10 chance of winning \$0.60, 6/10 chance of winning \$0.50
- ☐ Lottery B: 4/10 chance of winning \$1.15, 6/10 chance of winning \$0.03

Which lottery would you rather play?

- ☐ Lottery A: 5/10 chance of winning \$0.60, 5/10 chance of winning \$0.50
- ☐ Lottery B: 5/10 chance of winning \$1.15, 5/10 chance of winning \$0.03

Which lottery would you rather play?

- ☐ Lottery A: 6/10 chance of winning \$0.60, 4/10 chance of winning \$0.50
- ☐ Lottery B: 6/10 chance of winning \$1.15, 4/10 chance of winning \$0.03

Which lottery would you rather play?

- ☐ Lottery A: 7/10 chance of winning \$0.60, 3/10 chance of winning \$0.50
- ☐ Lottery B: 7/10 chance of winning \$1.15, 3/10 chance of winning \$0.03

Which lottery would you rather play?

- ☐ Lottery A: 8/10 chance of winning \$0.60, 2/10 chance of winning \$0.50
- ☐ Lottery B: 8/10 chance of winning \$1.15, 2/10 chance of winning \$0.03

Which lottery would you rather play?

- ☐ Lottery A: 9/10 chance of winning \$0.60, 1/10 chance of winning \$0.50
- ☐ Lottery B: 9/10 chance of winning \$1.15, 1/10 chance of winning \$0.03

How do you see yourself: are you generally a person who is fully prepared to take risks or do you try to avoid taking risks? Please tick a box on the scale, where the value 0 means: 'not at all willing to take risks' and the value 10 means: 'very willing to take risks'."

012345678910

Not at all willing to take risks

Very willing to take risks

Demographic Questions

Demographic Questions

In this section, we are interested in some basic demographic questions for analytical purposes.

Which of the following best describes your current occupation?
Please choose only one of the following:

- ☐ Agriculture, Forestry, Fishing and Hunting
- ☐ Arts, Entertainment, and Recreation
- ☐ Broadcasting and Media
- ☐ Childcare Provider
- ☐ Clerical/Administrative
- ☐ College, University, and Adult Education
- ☐ Computer and Electronics Manufacturing
- ☐ Construction
- ☐ Disabled and on Disability Benefits
- ☐ Finance and Insurance
- ☐ Food and Beverage Services
- ☐ Government and Public Administration
- ☐ Health Care and Social Assistance
- ☐ Homemaker
- ☐ Hotel and Hospitality Services
- ☐ Information Services and Data Processing
- ☐ Legal Services

- ☐ Military
- ☐ Mining
- ☐ Other Information Industry
- ☐ Other Manufacturing
- ☐ Primary/Secondary (K-12) Education
- ☐ Publishing
- ☐ Real Estate, Rental, and Leasing
- ☐ Religious
- ☐ Retail
- ☐ Retired
- ☐ Scientific or Technical Services
- ☐ Self-employed
- ☐ Software
- ☐ Student
- ☐ Telecommunications
- ☐ Transportation and Warehousing
- ☐ Unemployed
- ☐ Utilities
- ☐ Other

What is your zip code?

In which state (or territory) do you live?

In what year were you born?

Which of the following best describes your gender identity?

- ☐ Male
- ☐ Female
- ☐ Transgender
- ☐ Non-binary
- ☐ Prefer to self-describe

Are you of Hispanic, Latino, or Spanish origin?

- ☐ No, not of Hispanic, Latino, or Spanish origin
- ☐ Yes, Mexican, Mexican American, Chicano
- ☐ Yes, Puerto Rican
- ☐ Yes, Cuban
- ☐ Yes, another Hispanic, Latino, or Spanish origin

What is your race? Check all that apply:

- ☐ American Indian or Alaskan Native
- ☐ Asian Indian
- ☐ Black or African American
- ☐ Chamorro
- ☐ Chinese
- ☐ Filipino
- ☐ Japanese

- ☐ Korean
- ☐ Native Hawaiian
- ☐ Samoan
- ☐ Vietnamese
- ☐ White
- ☐ Other race or origin

What is the highest level of formal education that you have completed?

- ☐ Some high school (no diploma)
- ☐ High school graduate (incl. GED)
- ☐ Some college (no degree)
- ☐ Associates degree/technical school/apprenticeship
- ☐ Bachelor's degree
- ☐ Postgraduate (like Master's, PhD) / professional degree (like JD)

Which of the following best describes your household income range in 2019 before taxes?

- ☐ Less than \$10,000
- ☐ \$10,000 to \$14,999
- ☐ \$15,000 to \$24,999
- ☐ \$25,000 to \$34,999
- ☐ \$35,000 to \$49,999
- ☐ \$50,000 to \$74,999
- ☐ \$75,000 to \$99,999
- ☐ \$100,000 to \$149,999
- ☐ \$150,000 to \$199,999
- ☐ \$200,000 or more

Which of the following political affiliations do you most identify with?

- ☐ Libertarian
- ☐ Democratic Socialist
- ☐ Tea Party
- ☐ Republican
- ☐ Progressive
- ☐ Democrat
- ☐ Independent
- ☐ Green Party
- ☐ No affiliation
- ☐ Other

If the presidential election were being held TODAY, would you vote for

- ☐ Donald Trump / Mike Pence (Republican)
- ☐ Joe Biden / Kamala Harris (Democratic)
- ☐ Jo Jorgensen / Spike Cohen (Libertarian)
- ☐ Howie Hawkins / Angela Nicole Watkins (Green)
- ☐ Undecided
- ☐ Not voting

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