

**Emotions, Worry, Efficacy, and Climate Change Mitigation Behaviors among a
Representative Sample of Texas and Florida Residents**

Supplemental Materials 1

Study-specific Measures

1. Individual-level climate change mitigation behaviors

Please indicate which of the following activities you have done in the past week.

1. Used public transportation, biked, or walked to work instead of driving
2. Used energy-efficient lightbulbs such as CFLs or LEDs
3. Recycled
4. Taken shorter showers
5. Driven a hybrid or electric vehicle
6. Reduced red meat consumption
7. Ate a more plant-based diet
8. Reduced food waste
9. Composted waste
10. Checked the air in your tires to ensure fuel efficiency
11. Used a smart thermostat
12. Installed or used low-flow shower heads or faucets

2. Collective-level climate change mitigation behaviors

Please indicate which of the following activities you have done in the past year.

1. Worked with community members to help people prepare for hurricanes or other natural disasters.
2. Worked with community members to create green spaces (e.g., plant trees, restore habitat) in my community.
3. Signed a petition in support of action to help the environment.
4. Signed a petition in support of action on climate change.
5. Made a donation in support of action on climate change.
6. None of the above [s]

3. Climate action-related emotions

When you reflect on your ability to take action to address climate change, do you feel:

Statement:

1. Hopeful
2. Confident
3. Optimistic
4. Helpless
5. Powerless
6. Lacking control
7. Indifferent
8. On edge
9. Uneasy
10. Nervous

Scale:

1. Definitely do not feel like this
2. Do not feel like this
3. Feel this
4. Definitely feel this

4. Worry regarding climate-related hazards

How much do you worry about the following personally affecting you or someone in your family in the future?

1. Major flooding (partial or complete water overflow onto normally dry land)
2. Nuisance flooding (flooding that occurs during high tides)
3. Hurricanes
4. Heat waves
5. Tornadoes
6. Sea level rise
7. Climate change
8. Other major weather event not listed

Scale:

1. Never
2. Rarely
3. Sometimes
4. Often
5. All the time

5. Worry regarding climate change

How often in the past week have you had fears about the possibility of the following affecting the community where you live?

1. Major flooding (partial or complete water overflow onto normally dry land)
2. Nuisance flooding (flooding that occurs during high tides)
3. Hurricanes
4. Heat waves
5. Tornadoes
6. Sea level rise
7. Climate change
8. Other major weather event not listed (please specify)

Scale:

1. Never
2. Rarely
3. Sometimes
4. Often
5. All the time

6. Individual-level climate behavior efficacy

1. Used public transportation, biked, or walked to work instead of driving

2. Used energy-efficient lightbulbs such as CFLs or LEDs
3. Recycled
4. Taken shorter showers
5. Driven a hybrid or electric vehicle
6. Reduced red meat consumption
7. Ate a more plant-based diet
8. Reduced food waste
9. Composted waste
10. Checked the air in your tires to ensure fuel efficiency
11. Used a smart thermostat
12. Installed or used low-flow shower heads or faucets

Of the actions listed above that you do, how much will they help reduce the impacts of climate change?

1. Not at all
2. Just a little
3. Somewhat
4. Mostly
5. Completely

7. Collective-level climate behavior efficacy

1. Worked with community members to help people prepare for hurricanes or other natural disasters.
2. Worked with community members to create green spaces (e.g., plant trees, restore habitat) in my community.
3. Signed a petition in support of action to help the environment.
4. Signed a petition in support of action on climate change.
5. Made a donation in support of action on climate change.
6. None of the above [s]

Of the actions listed above that you do, how much will they help reduce the impacts of climate change?

1. Not at all
2. Just a little
3. Somewhat
4. Mostly
5. Completely

8. Climate change knowledge

“Are each of the following statements definitely true, probably true, probably false, definitely false, or you do not know?”

1. Burning fossil fuels for heat and electricity contributes to climate change.
2. The Earth’s climate has changed naturally in the past, therefore humans are not the cause of climate change.
3. If people stopped eating beef it would help to reduce climate change if done worldwide.

Scale:

1. Do not know
2. Definitely false
3. Probably false
4. Probably true
5. Definitely true