

CLIMATE CHANGE IN THE AMERICAN MIND

April 2022



YALE PROGRAM ON
Climate Change
Communication



GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

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Introduction

This report is based on findings from a nationally representative survey – *Climate Change in the American Mind* – conducted by the [Yale Program on Climate Change Communication](https://climatecommunication.yale.edu) (climatecommunication.yale.edu) and the [George Mason University Center for Climate Change Communication](https://climatechangecommunication.org) (climatechangecommunication.org). Interview dates: April 13 – May 2, 2022. Interviews: 1,018 adults (18+). Average margin of error: +/- 3 percentage points at the 95% confidence level. The research was funded by the 11th Hour Project, the Energy Foundation, the MacArthur Foundation, the Heising-Simons Foundation, and the Grantham Foundation.

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Executive Summary

Drawing on a nationally representative survey ($n = 1,018$) conducted from April 13 – May 2, 2022, this report describes Americans' beliefs and attitudes about global warming. We previously reported the findings on [public support for U.S. climate policy](#).

In the [September, 2021](#) wave of the *Climate Change in the American Mind* survey, we found that public understanding of several key indicators – that climate change is happening, affecting the weather, harming Americans, etc. – had reached all-time highs. These and other indicators have declined back to levels close to what we found in [March, 2021](#).

Among the key findings of this report:

Global Warming Beliefs

- Americans who think global warming is happening outnumber those who think it is not happening by a ratio of 6 to 1 (72% versus 12%). Those who are “very” or “extremely” sure global warming is happening outnumber those who are “very” or “extremely” sure it is not happening more than 7 to 1 (54% versus 7%).
- More than half of Americans (56%) understand that global warming is mostly human-caused. About one in three (33%) think it is due mostly to natural changes in the environment.
- A majority of Americans (55%) understand that most scientists think global warming is happening. However, only one in five (20%) understand how strong the level of consensus among scientists is (i.e., that more than 90% of climate scientists think human-caused global warming is happening).

Emotional Responses to Global Warming

- A majority of Americans (64%) say they are at least “somewhat worried” about global warming. Three in ten (30%) say they are “very worried.”
- About six in ten Americans (62%) say they feel “interested” when thinking about global warming. About half say they feel “disgusted” or “sad” (both 51%). Four in ten or more say they feel “afraid” (46%), “angry” (44%), or “outraged” (42%), while 38% say they feel “hopeful.”

Perceived Risks of Global Warming

- About half of Americans (48%) think people in the United States are being harmed by global warming “right now,” and four in ten (43%) say they have personally experienced the effects of global warming.
- 47% of Americans think they will be harmed by global warming, and about half think their family (51%) and people in their community (52%) will be harmed. Larger majorities think global warming will harm people in the U.S. (65%), people in developing countries (69%), the world's poor (69%), plant and animal species (72%), and future generations of people (72%).
- More than one in ten Americans (13%) have considered moving to avoid the impacts of global warming.



Personal and Social Engagement with Global Warming

- Two in three Americans (67%) say they “rarely” or “never” discuss global warming with family and friends, while one in three (33%) say they do so “occasionally” or “often.”
- More than half of Americans (56%) say they hear about global warming in the media at least once a month. Fewer (24%) say they hear people they know talk about global warming at least once a month.
- A majority of Americans (64%) say the issue of global warming is either “extremely,” “very,” or “somewhat” important to them personally, while 36% say it is either “not too” or “not at all” personally important.
- Fewer than half of Americans think their friends and family take action on global warming or that their friends and family expect *them* to take action: 40% say their family and friends make at least “a moderate amount of effort” to reduce global warming (a descriptive norm). Similarly, 40% think it is at least “moderately” important to their family and friends that they take action (an injunctive norm).

Fatalism

- A majority of Americans (61%) *disagree* with the statement “it’s already too late to do anything about global warming,” while only 17% agree.
- Americans are split about whether they think “new technologies can solve global warming without individuals having to make big changes to their lives” (48% agree; 52% disagree).

Impacts of Global Warming

- A majority of Americans (63%) think global warming is affecting weather in the United States, including 32% who think weather is being affected “a lot.”
- Large majorities of Americans think global warming is affecting many environmental problems in the United States including extreme heat (75%), wildfires (73%), droughts (72%), rising sea levels (72%), flooding (70%), water shortages (70%), and air pollution (70%). More than six in ten think global warming is affecting hurricanes (69%), reduced snowpack (68%), tornados (67%), agricultural pests and diseases (65%), water pollution (63%), and electricity power outages (62%).
- About two in three Americans (65%) agree either “strongly” (31%) or “somewhat” (34%) agree that wildfires have increased around the world as a result of global warming.
- A majority of Americans (56%) think extreme weather poses either a “high” (19%) or “moderate” (37%) risk to their community over the next 10 years.
- A majority of Americans are worried about harm from a range of environmental problems in their local area including electricity power outages (78%), water pollution (77%), air pollution (73%), extreme heat (71%), agricultural pests and diseases (70%), droughts (69%), water shortages (68%), flooding (61%), wildfires (61%), and tornados (60%).

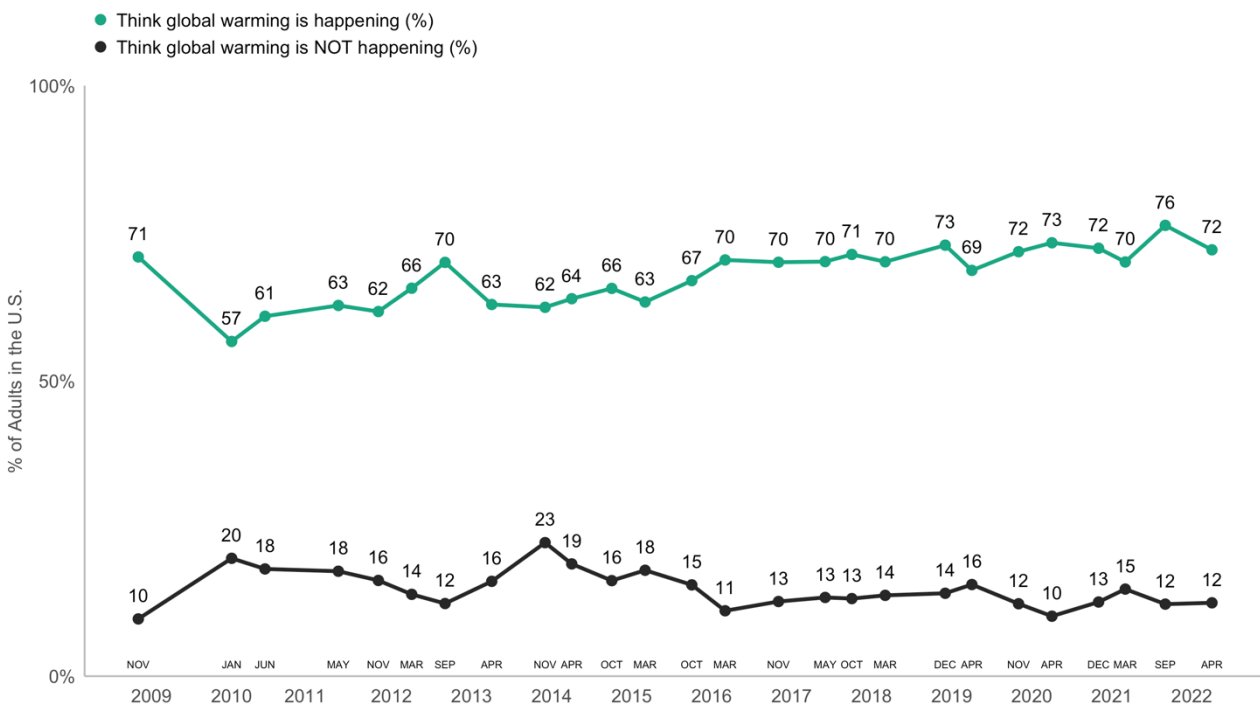
1. Global Warming Beliefs

1.1. Most Americans think global warming is happening.

Americans who think global warming is happening outnumber those who think it is not happening by a ratio of 6 to 1.

About seven in ten Americans (72%) think global warming is happening. By contrast, only 12% of Americans think global warming is not happening. Fifteen percent say they don't know if global warming is happening (see data tables).

Most Americans think global warming is happening



Do you think global warming is happening?

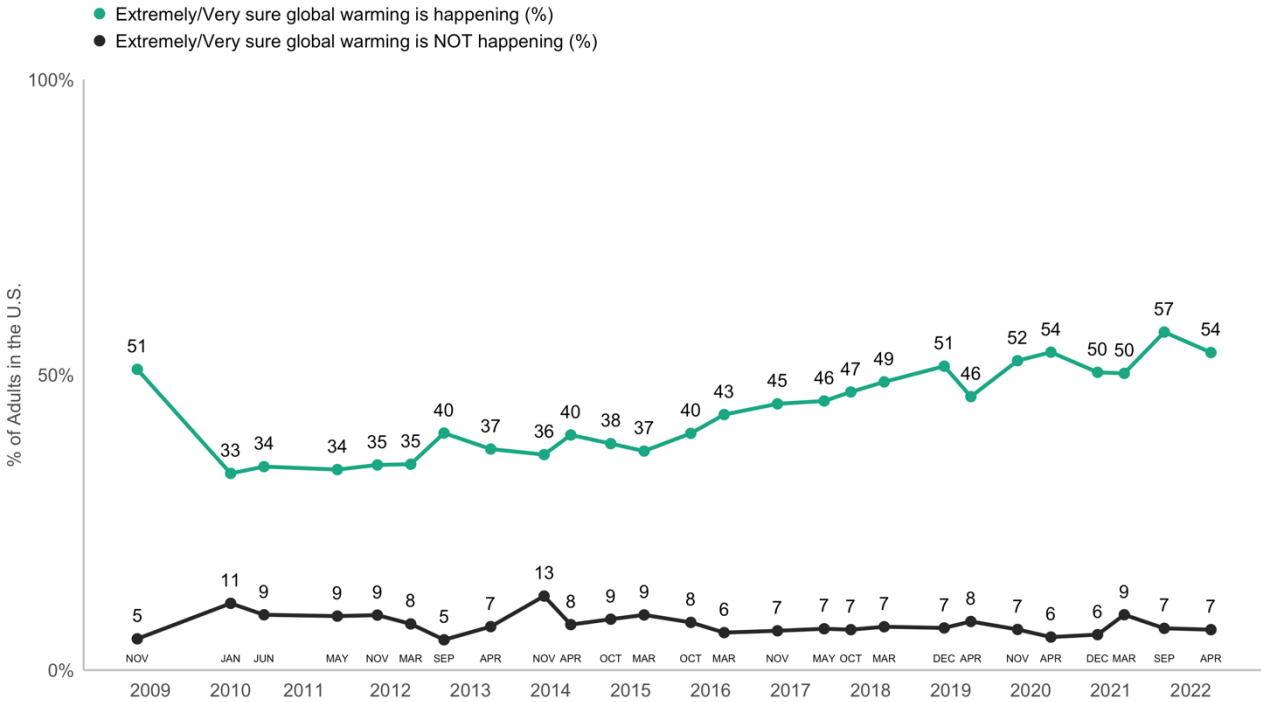
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1.2. More than half of Americans are “extremely” or “very” sure global warming is happening. Very few are as sure it isn’t happening.

More than half of Americans (54%) are either “extremely” or “very” sure global warming is happening. Far fewer (7%) are “extremely” or “very” sure global warming is not happening.

More than half of Americans are "extremely" or "very" sure global warming is happening



How sure are you that global warming is/is not happening?
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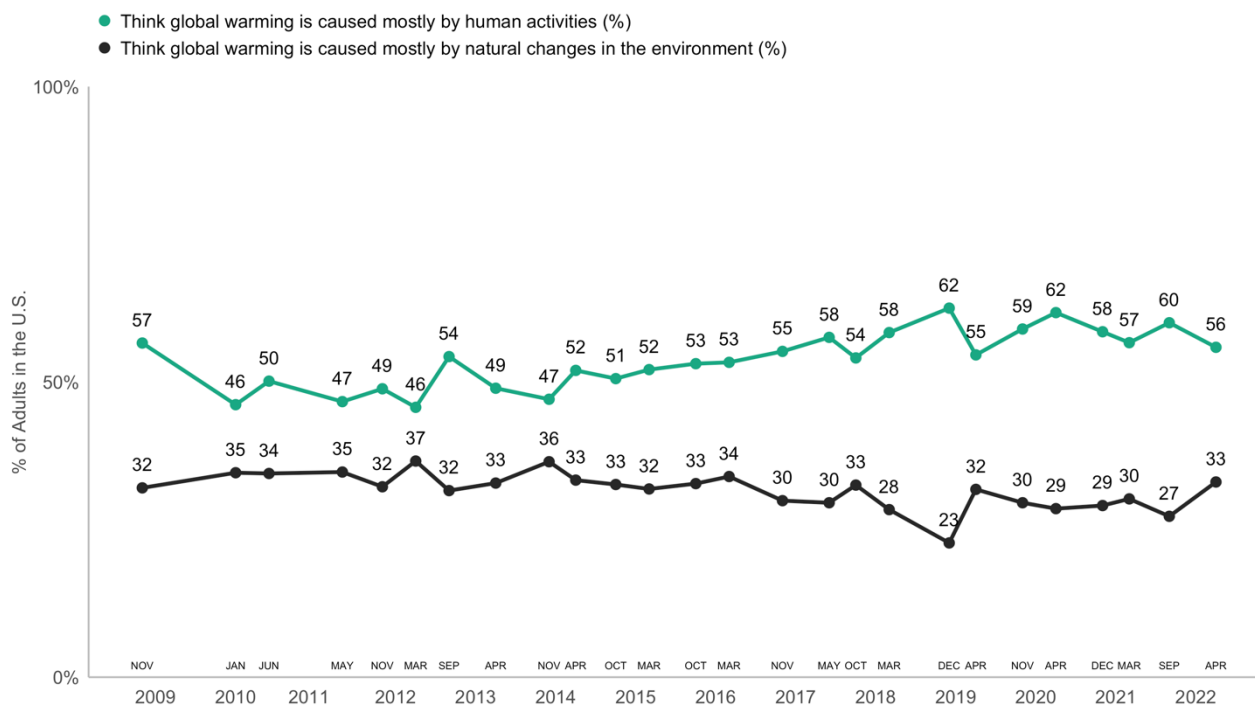


1.3. A majority of Americans think global warming is mostly human-caused.

The Intergovernmental Panel on Climate Change’s Sixth Assessment [report](#) (2021), written and reviewed by thousands of climate experts worldwide, states: “It is unequivocal that human influence has warmed the atmosphere, ocean and land.”¹

More than half of Americans (56%) understand that global warming is mostly human-caused. By contrast, one in three (33%) think it is due mostly to natural changes in the environment.

A majority of Americans think global warming is mostly human-caused



Assuming global warming is happening, do you think it is . . .

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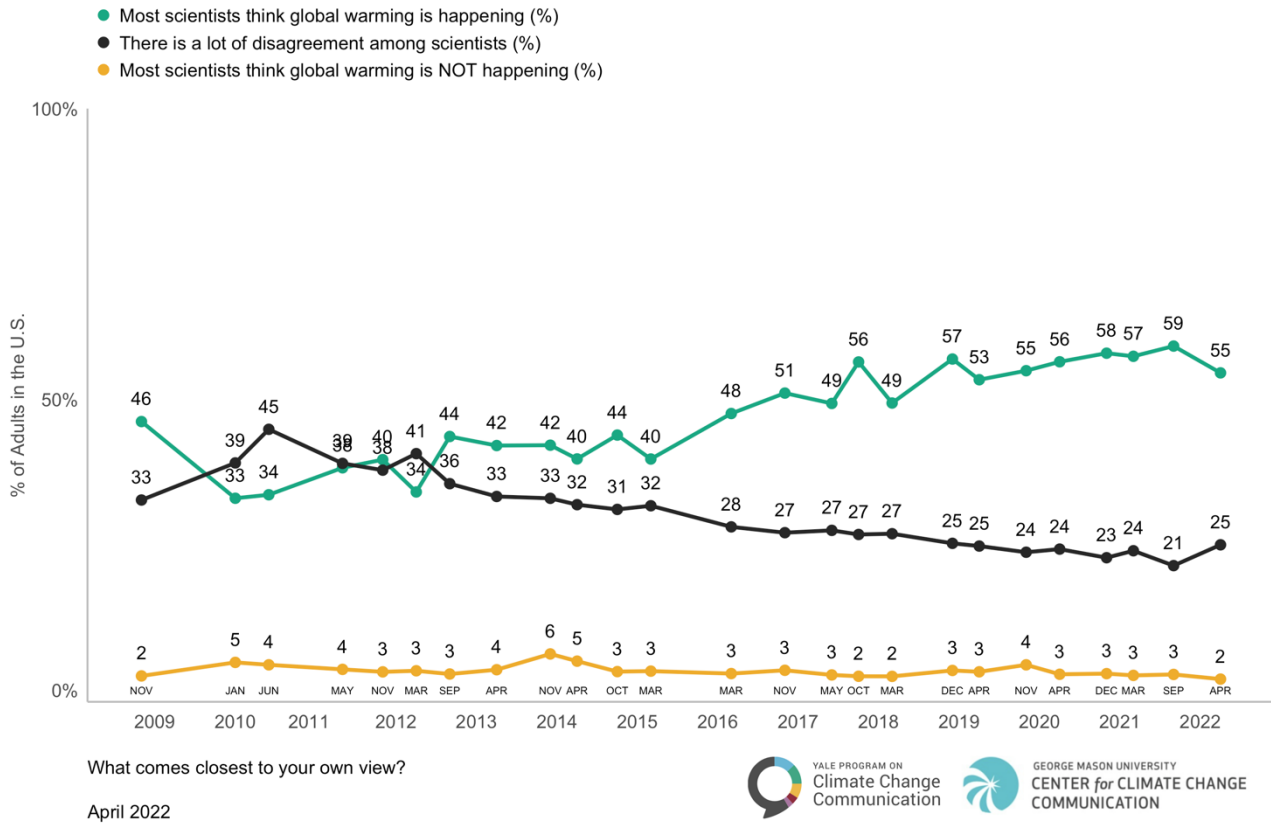
¹ [Intergovernmental Panel on Climate Change. \(2021\): Summary for Policymakers.](#) In Masson-Delmotte, V., Zhai, P., Pirani, A., Connors, S. L., Péan, C., Berger, S., Caud, N., Chen, Y., Goldfarb, L., Gomis, M. I., Huang, M., Leitzell, K., Lonnoy, E., Matthews, J. B. R., Maycock, T. K., Waterfield, T., Yelekçi, O., Yu, R., & Zhou, B. (eds.), *Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change.* Cambridge University Press.

1.4. A majority of Americans understand that most scientists think global warming is happening.

A 2016 review by John Cook and colleagues² found that six independent, peer-reviewed studies examining the extent of the scientific consensus about global warming have concluded that between 90% and 100% of climate scientists are convinced that human-caused global warming is happening. A more recent study found that as many as 98% of climate scientists are convinced that global warming is happening and human-caused.³

A majority of Americans (55%) understand that most scientists think global warming is happening. By contrast, one in four Americans (25%) think there is a lot of disagreement among scientists about whether or not global warming is happening. Very few Americans (2%) believe that most scientists think global warming is not happening.

A majority of Americans understand that most scientists think global warming is happening



² Cook, J., Oreskes, N., Doran, P. T., Anderegg, W. R. I., Verheggen, B., Maibach, E. W., Carlton, J. S., Lewandowsky, S., Skuce, A. G., Green, S. A., Nuccitelli, D., Jacobs, P., Richardson, M., Winkler, B., Painting, R., & Rice., K. (2016). Consensus on consensus: A synthesis of consensus estimates on human-caused global warming. *Environmental Research Letters*, 11(4). [doi:10.1088/1748-9326/11/4/048002](https://doi.org/10.1088/1748-9326/11/4/048002)

³ Myers, K. F., Doran, P. T., Cook, J., Kotcher, J. E., & Myers, T. A. (2021). Consensus revisited: Quantifying scientific agreement on climate change and climate expertise among Earth scientists 10 years later. *Environmental Research Letters*, 16(10). [doi:10.1088/1748-9326/ac2774](https://doi.org/10.1088/1748-9326/ac2774)

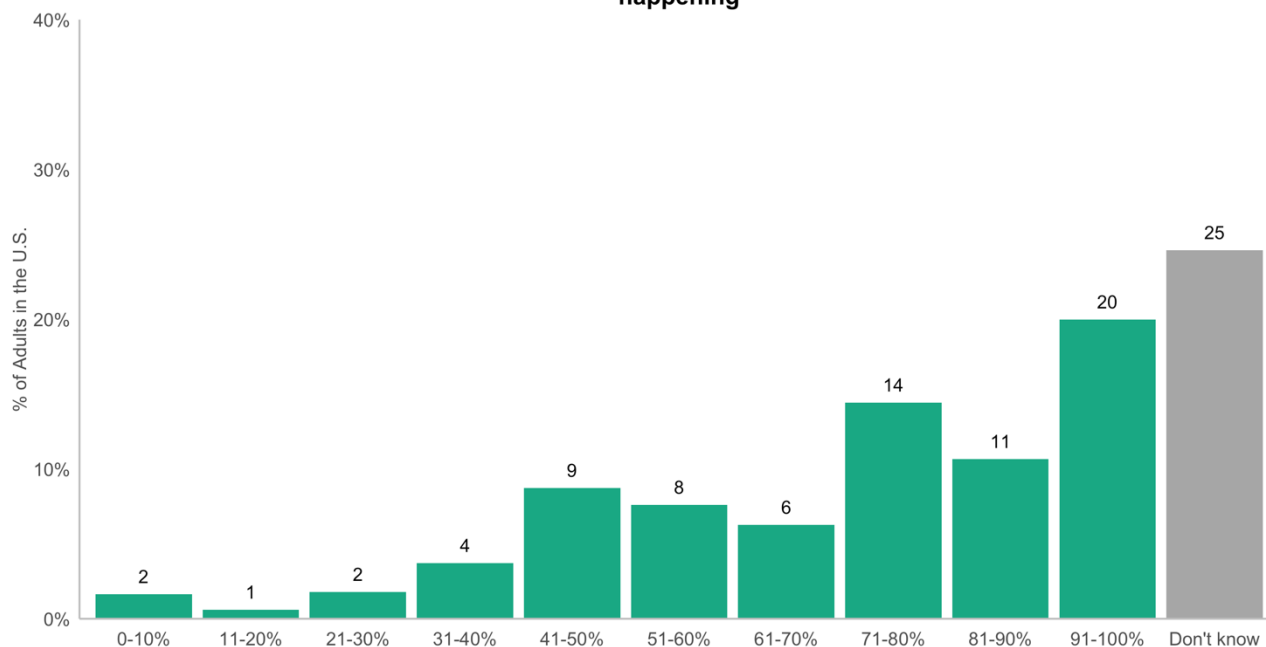
1.5. One in five Americans understand that almost all climate scientists (more than 90%) have concluded that human-caused global warming is happening.

Although the majority of Americans now understand that most scientists think global warming is happening, fewer understand just how strong the level of consensus among scientists is. Only one in five Americans (20%) understand that nearly all climate scientists (more than 90%) are convinced that human-caused global warming is happening.

A larger percentage of Americans (25%) say they “don’t know” what percentage of climate scientists think human-caused global warming is happening.⁴

Public misunderstanding of the scientific consensus – which has been found in each of our surveys since 2008 – has significant consequences. [Other research](#) has identified public understanding of the scientific consensus as an important “gateway belief” that influences other important beliefs (i.e., that global warming is happening, human-caused, and worrisome) and support for action.⁵

One in five Americans understand that almost all climate scientists (more than 90%) have concluded that human-caused global warming is happening



To the best of your knowledge, what percentage of climate scientists think that human-caused global warming is happening? Please click on the slider bar below to indicate your answer. You can slide the indicator to the position that best describes your opinion.

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⁴ Respondents were asked to estimate the percentage of climate scientists who have concluded that human-caused global warming is happening by moving a slider bar which appeared on the screen of their computer. This slider allowed respondents to move the marker from 0% on the left to 100% on the right, or to any whole number between the two. A “don’t know” response option appeared below the slider bar.

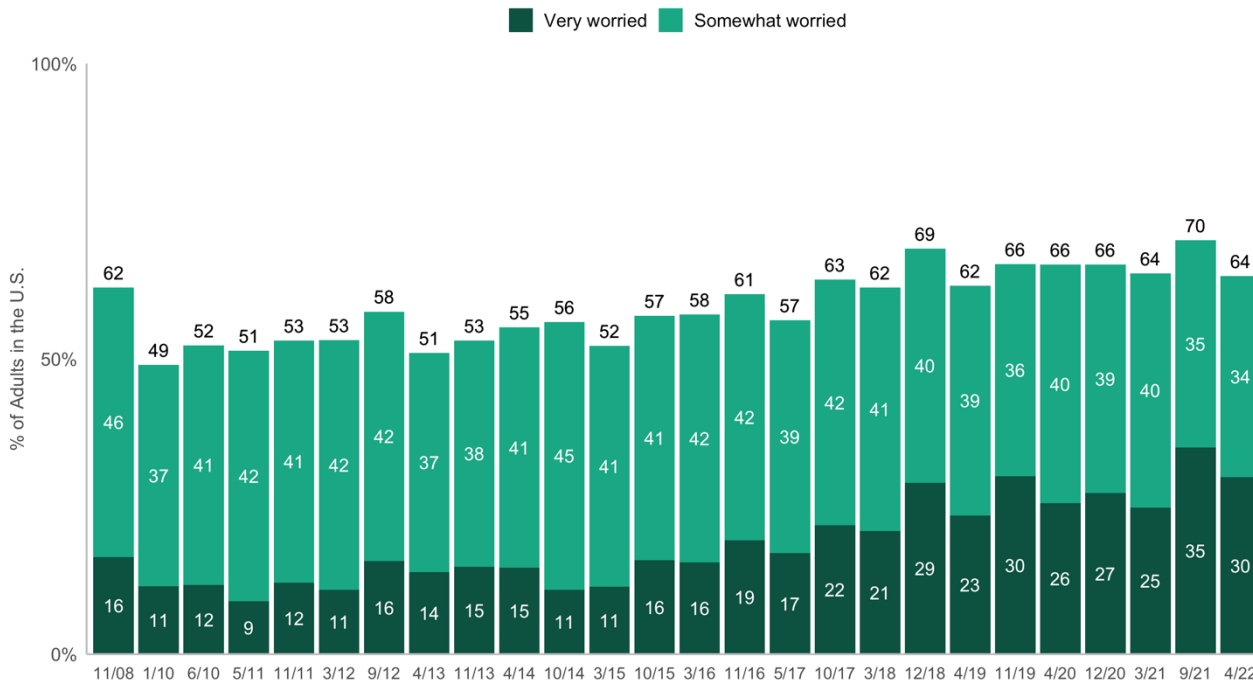
⁵ For more information, see van der Linden, S. L., Leiserowitz, A. A., Feinberg, G. D., & Maibach, E. W. (2015). The scientific consensus on climate change as a gateway belief: Experimental evidence. *PLoS ONE*, 10(2). <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0118489>

2. Emotional Responses to Global Warming

2.1. A majority of Americans are worried about global warming.

A majority of Americans (64%) say they are at least “somewhat worried” about global warming. This includes three in ten Americans (30%) who are “very worried” about global warming.

A majority of Americans are worried about global warming



How worried are you about global warming?

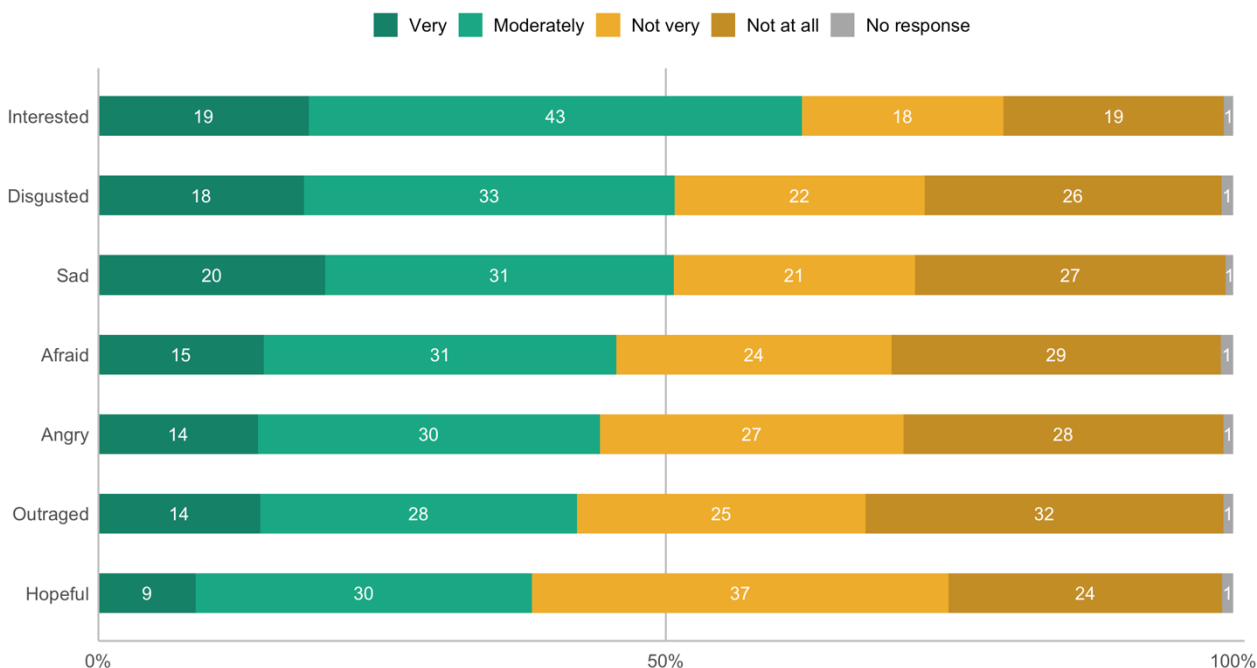
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2.2. A majority of Americans are “interested” in global warming.

When asked how strongly they feel various emotions when thinking about global warming, about six in ten Americans (62%) say they feel “very” or “moderately” interested. Additionally, about half say they feel disgusted or sad (both 51%) when thinking about global warming. Four in ten or more say they feel afraid (46%), angry (44%), or outraged (42%), and 38% say they feel hopeful.

A majority of Americans are "interested" in global warming



How strongly do you feel each of the following emotions when you think about the issue of global warming?

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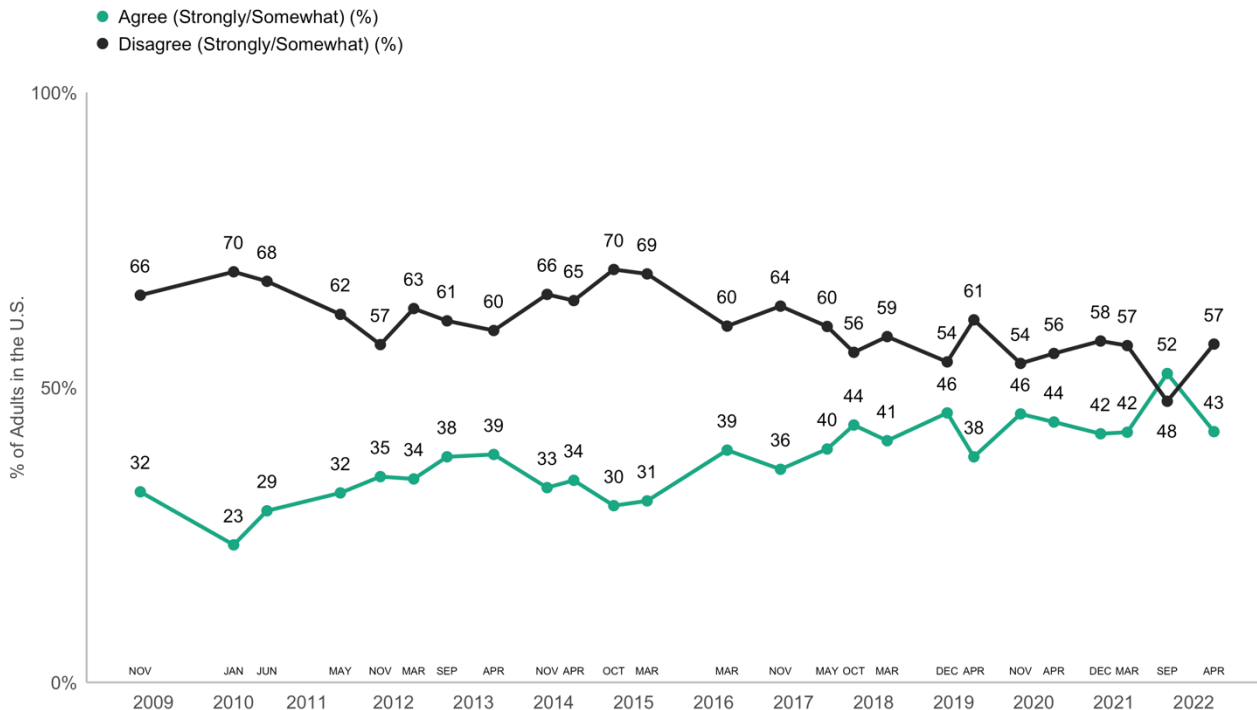


3. Perceived Risks of Global Warming

3.1. About four in ten Americans say they have personally experienced the effects of global warming.

About four in ten Americans (43%) agree that they have personally experienced the effects of global warming, while 57% disagree.

About four in ten of Americans say they have personally experienced the effects of global warming



How much do you agree or disagree with the following statement? I have personally experienced the effects of global warming.

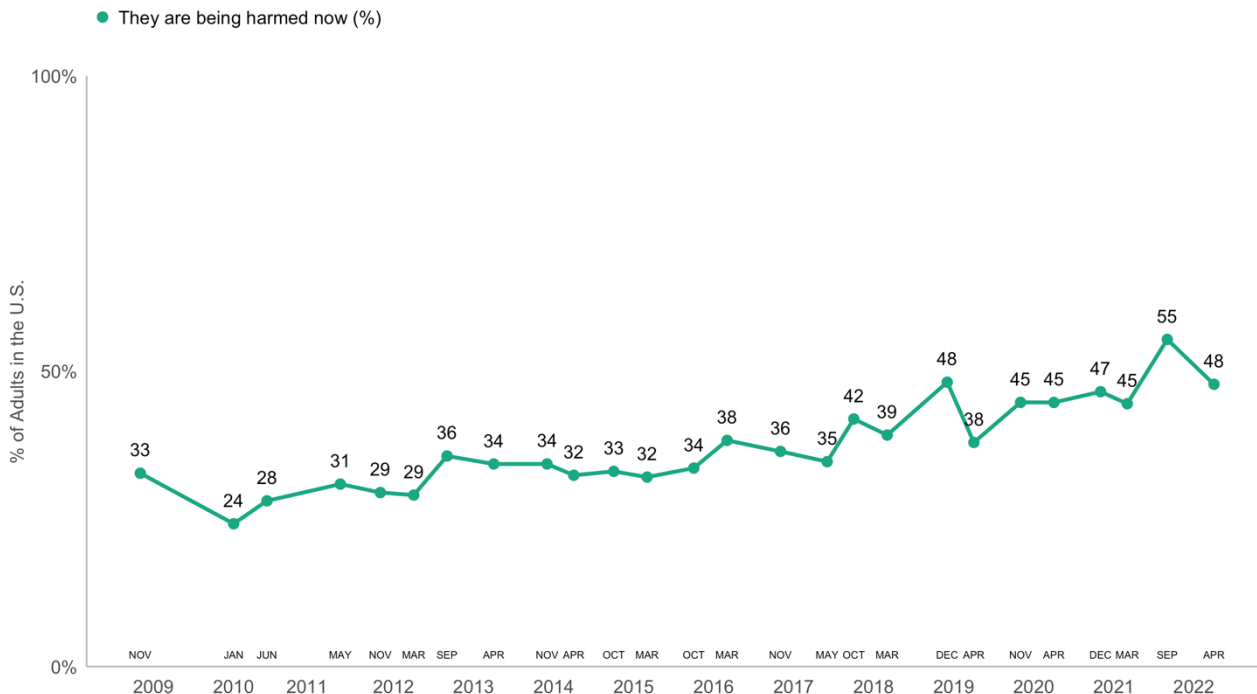
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3.2. About half of Americans think people in the U.S. are being harmed “right now” by global warming.

About half of Americans (48%) think people in the U.S. are being harmed by global warming “right now.”

About half of Americans think people in the U.S. are being harmed “right now” by global warming



When do you think global warming will start to harm people in the United States?

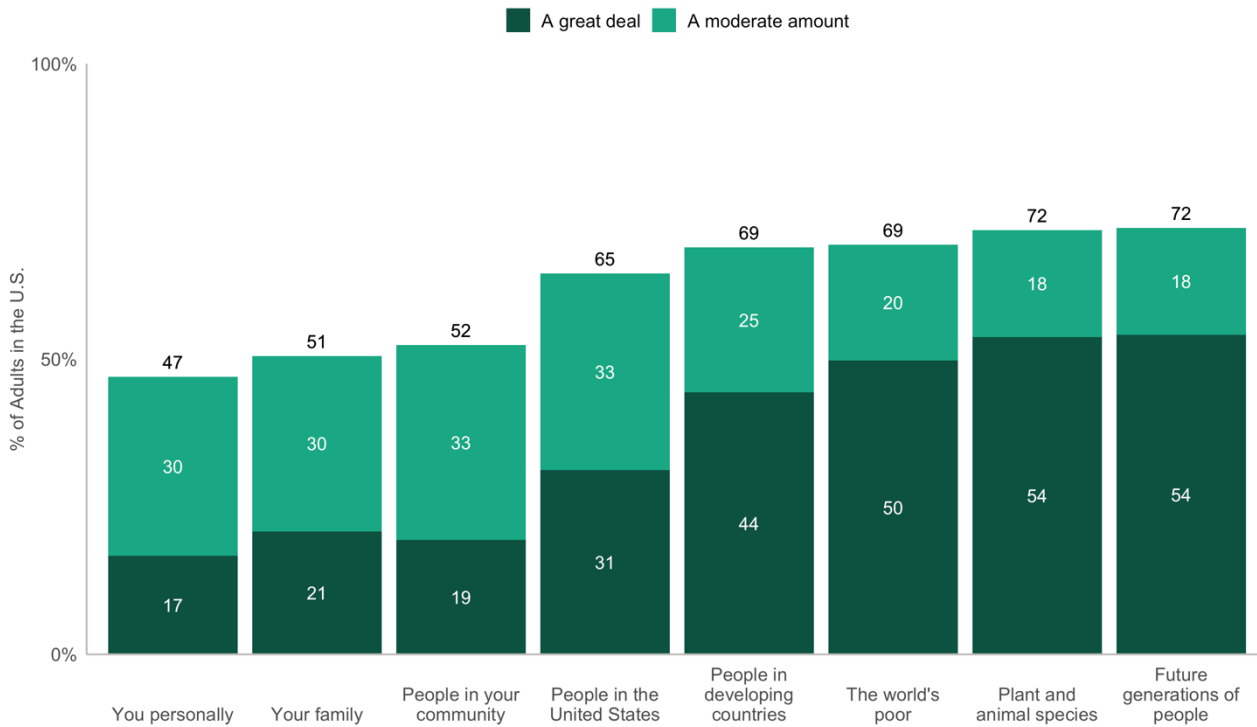
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3.3. Nearly half of Americans think they will be harmed by global warming, but think others will be harmed more.

A majority of Americans understand that global warming will cause harm. Americans are most likely to think that future generations of people and plant and animal species (both 72%), the world's poor and people in developing countries (both 69%), and people in the U.S. (65%) will be harmed “a great deal” or “a moderate amount” by global warming. Half or more think people in their community (52%) and their family (51%) will be harmed, and 47% think they themselves will be harmed.

Nearly half of Americans think they will be harmed by global warming, but think others will be harmed more



How much do you think global warming will harm . . . ?

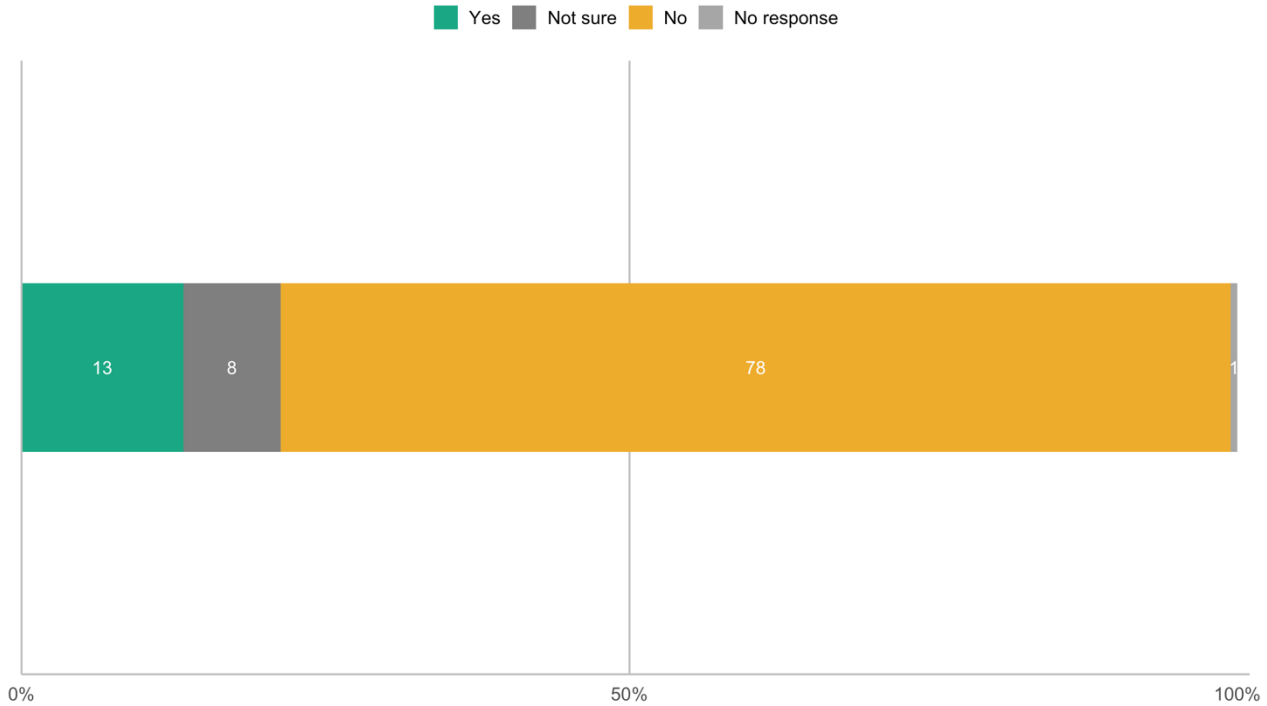
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3.4. More than one in ten Americans have considered moving to avoid the impacts of global warming.

According to [a recent article](#)⁶, an increasing number of people in the United States may be considering moving away from areas particularly vulnerable to climate change impacts. We find that 13% of Americans have considered moving to avoid the impacts of global warming, while 78% have not, and 8% are not sure.

More than one in ten Americans have considered moving to avoid the impacts of global warming



Have you ever considered moving to a different home to avoid the impacts of global warming, such as sea-level rise, flooding, heat waves, or wildfires?

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⁶ <https://www.wired.com/story/as-climate-fears-mount-some-are-relocating-within-the-us/>

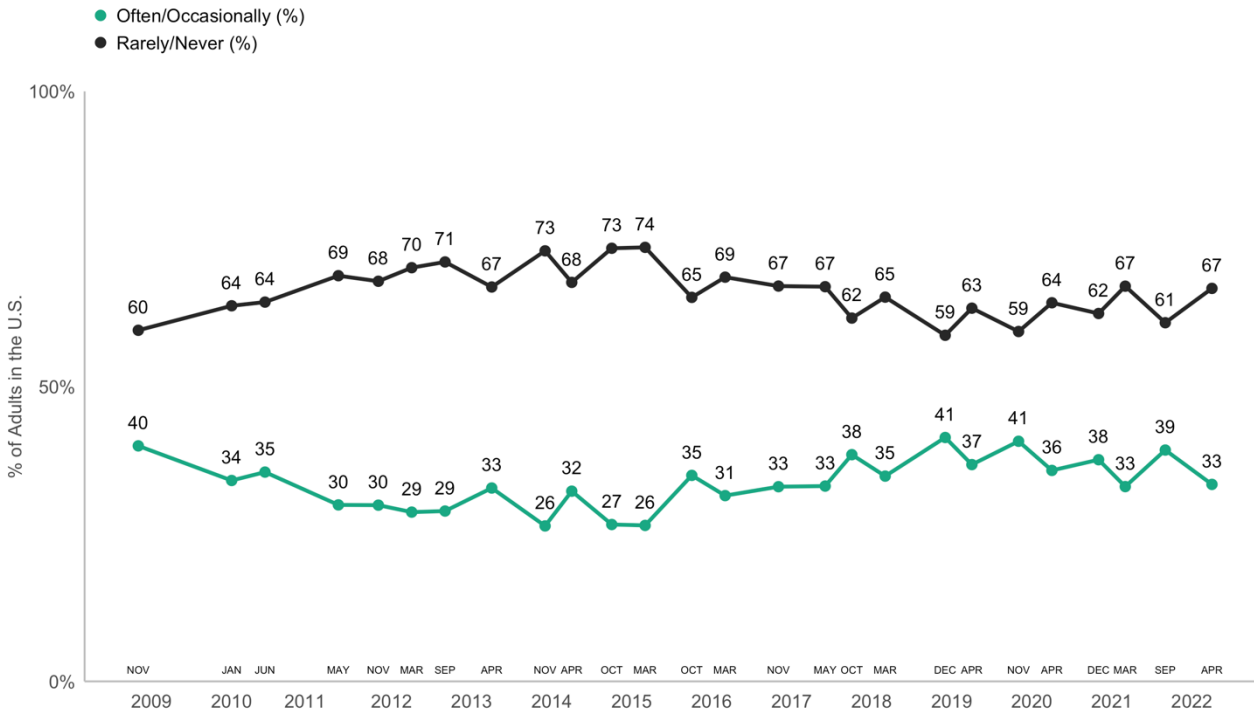


4. Personal and Social Engagement with Global Warming

4.1. Most Americans “rarely” or “never” discuss global warming with family and friends.

Two in three Americans (67%) say they “rarely” or “never” discuss global warming with family and friends, while one in three (33%) say they discuss global warming “occasionally” or “often.”

Most Americans “rarely” or “never” discuss global warming with family and friends



How often do you discuss global warming with your family and friends?

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4.2. More than half of Americans hear about global warming in the media at least once a month; fewer hear people they know talking about it at least once a month.

More than half of Americans (56%) say they hear about global warming in the media once a month or more often, while one in three (33%) say they hear about global warming in the media several times a year or less often, including 6% who say they never hear about global warming in the media.

Only about one in four Americans (24%) say they hear people they know talk about global warming once a month or more often. In contrast, about two in three (68%) say they hear people they know talk about it several times a year or less often, including 28% who say they never hear people they know talk about global warming.

More than half of Americans hear about global warming in the media at least once a month



About how often do you hear about global warming in the media (TV, movies, radio, newspapers/news websites, magazines, etc.)?

About how often do you hear other people you know (your family, friends, co-workers, etc.) talk about global warming?

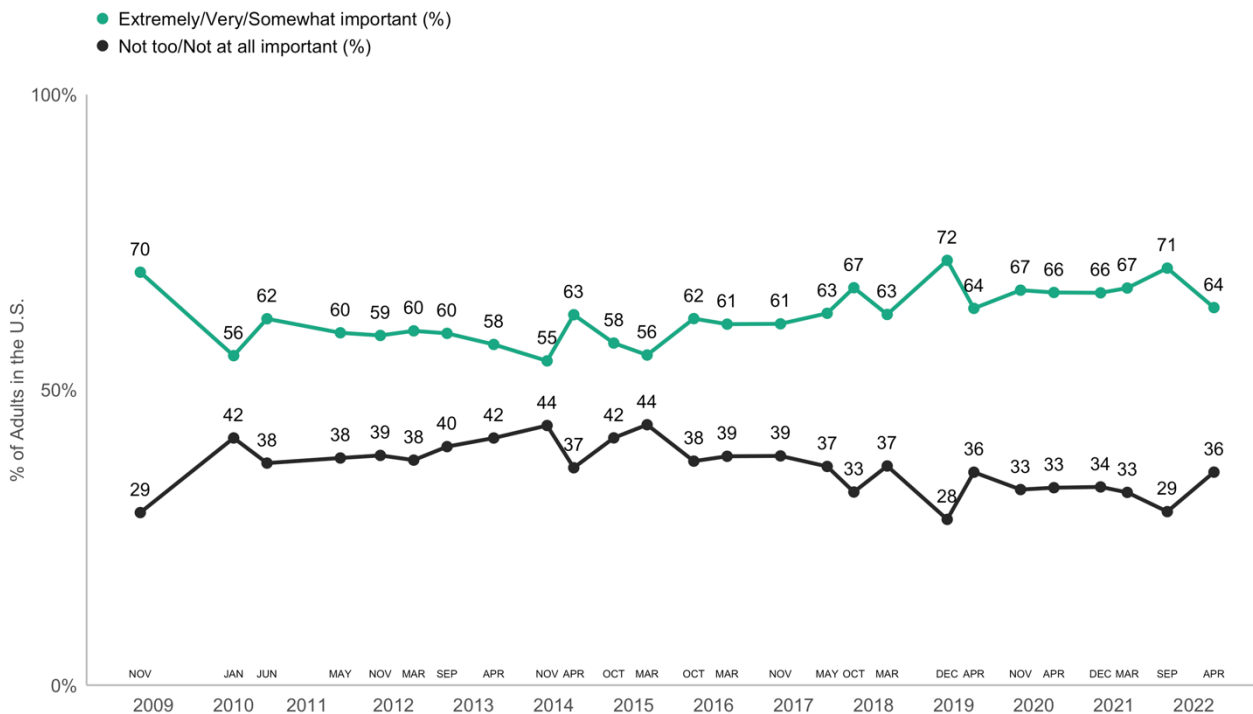
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4.3. A majority of Americans say the issue of global warming is personally important.

A majority of Americans (64%) say the issue of global warming is either “extremely” (15%), “very” (24%), or “somewhat” (25%) important to them personally. Fewer (36%) say global warming is either “not too” (18%) or “not at all” (18%) personally important.

A majority of Americans say the issue of global warming is personally important



How important is the issue of global warming to you personally?

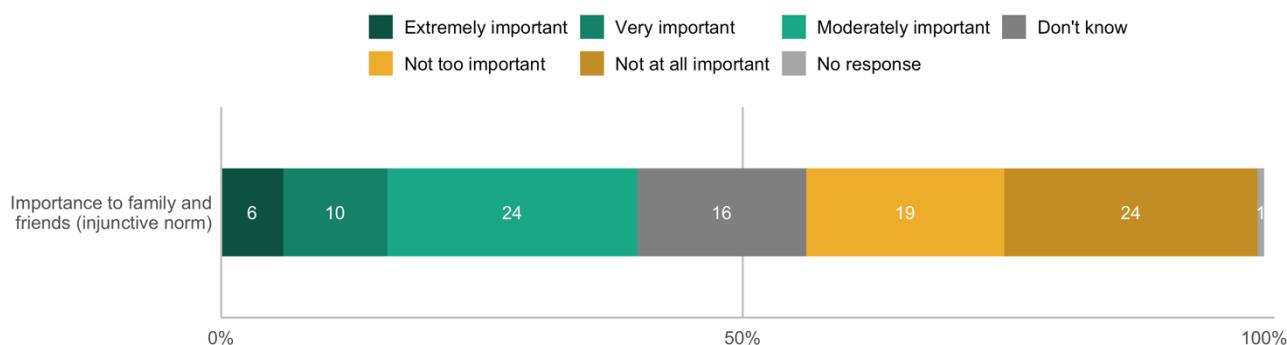


4.4. Fewer than half of Americans perceive social norms for taking action on global warming.

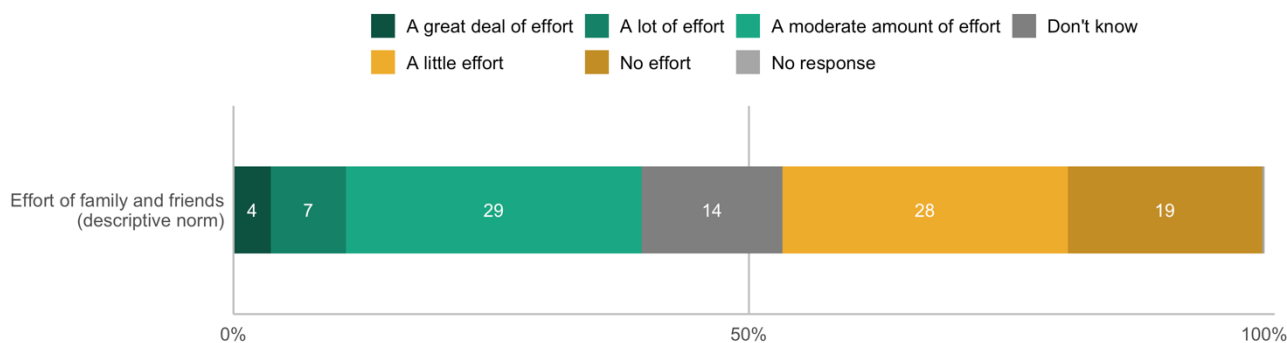
Social science research has shown that two types of social norms can have a powerful influence on people’s behavior: injunctive norms (the belief that friends and family expect you to behave in a given way) and descriptive norms (the belief that friends and family are themselves behaving in that way).⁷

Four in ten Americans (40%) perceive a descriptive norm, saying their family and friends make either “a great deal of effort” (4%), “a lot of effort” (7%), or “a moderate amount of effort” (29%) to reduce global warming. Similarly, 40% perceive an injunctive norm, saying it is either “extremely” (6%), “very” (10%), or “moderately” (24%) important to their family and friends that *they* take action to reduce global warming.

Fewer than half of Americans perceive social norms for taking action on global warming



How important is it to your family and friends that you take action to reduce global warming?



How much of an effort do your family and friends make to reduce global warming?

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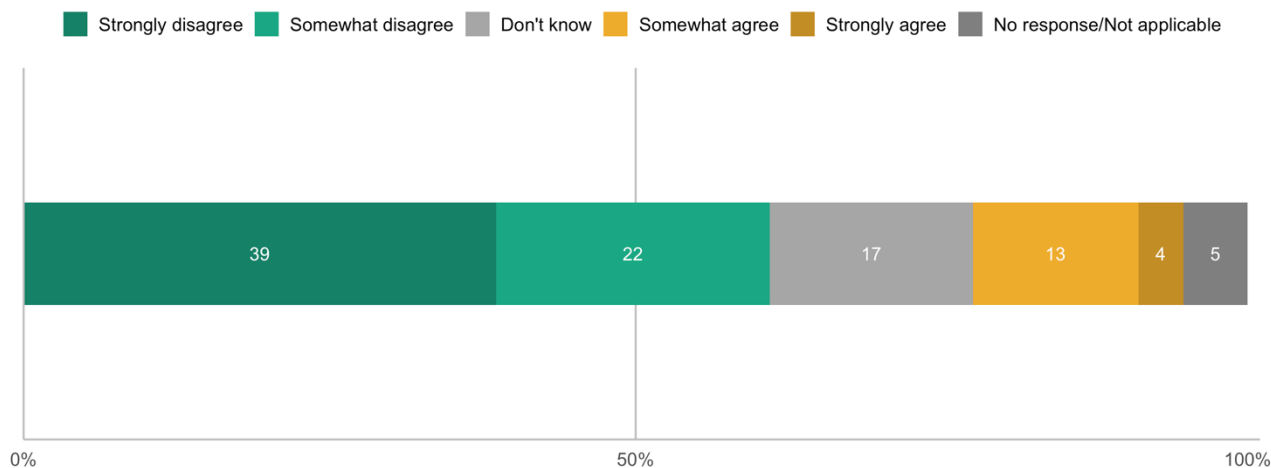
⁷ Schultz, P. W., Nolan, J. M., Cialdini, R. B., Goldstein, N. J., & Griskevicius, V. (2007). The constructive, destructive, and reconstructive power of social norms. *Psychological Science*, 18(5), 429-434. <https://journals.sagepub.com/doi/10.1111/j.1467-9280.2007.01917.x>

5. Fatalism

5.1. Few Americans think it is too late to do anything about global warming.

A majority of Americans (61%) either “strongly” (39%) or “somewhat” (22%) *disagree* with the statement that “it’s already too late to do anything about global warming.” By contrast, relatively few Americans (17%) either “strongly” (4%) or “somewhat” (13%) agree with this statement.

Few Americans think it is too late to do anything about global warming



Please indicate how strongly you agree or disagree with the following statement: It's already too late to do anything about global warming.

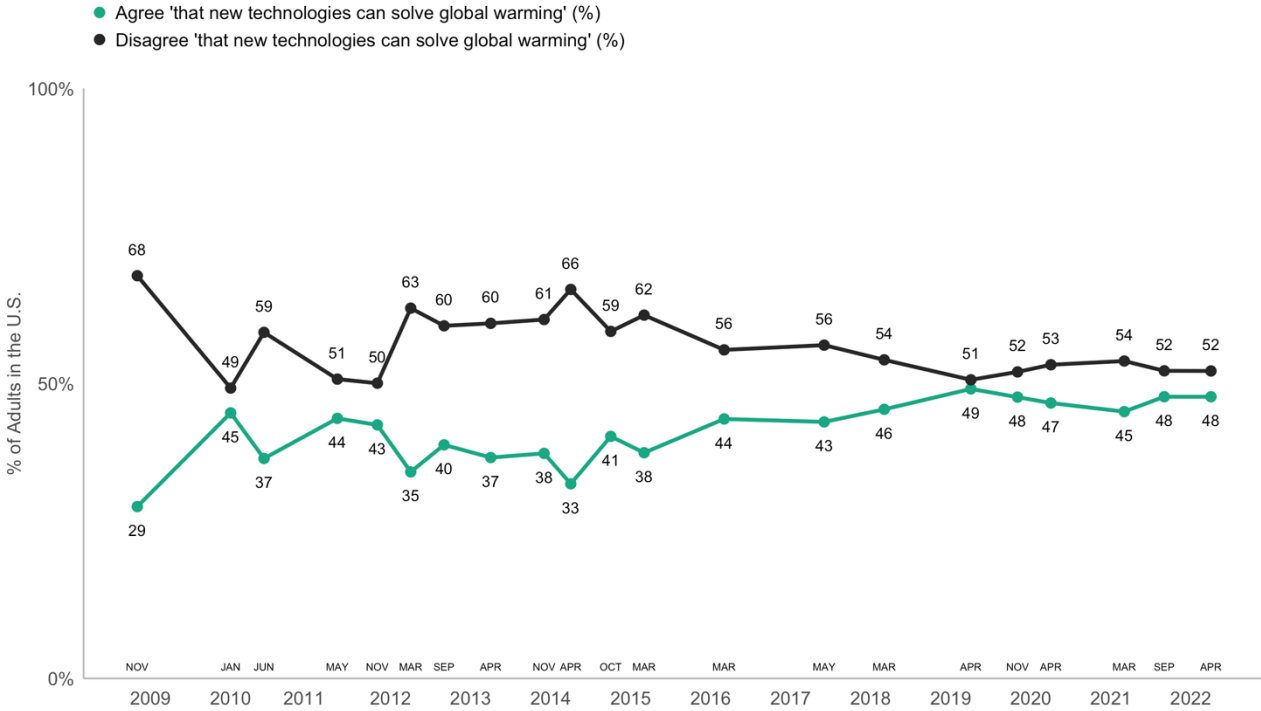
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5.2. Americans are split about whether new technologies can solve global warming without individual action.

Many Americans (48%) either “strongly” or “somewhat” agree that “new technologies can solve global warming without individuals having to make big changes in their lives,” while 52% of Americans either “strongly” or “somewhat” disagree.

Americans are split about whether new technologies can solve global warming without individual action



How much do you agree or disagree with the following statements? New technologies can solve global warming without individuals having to make big changes in their lives.

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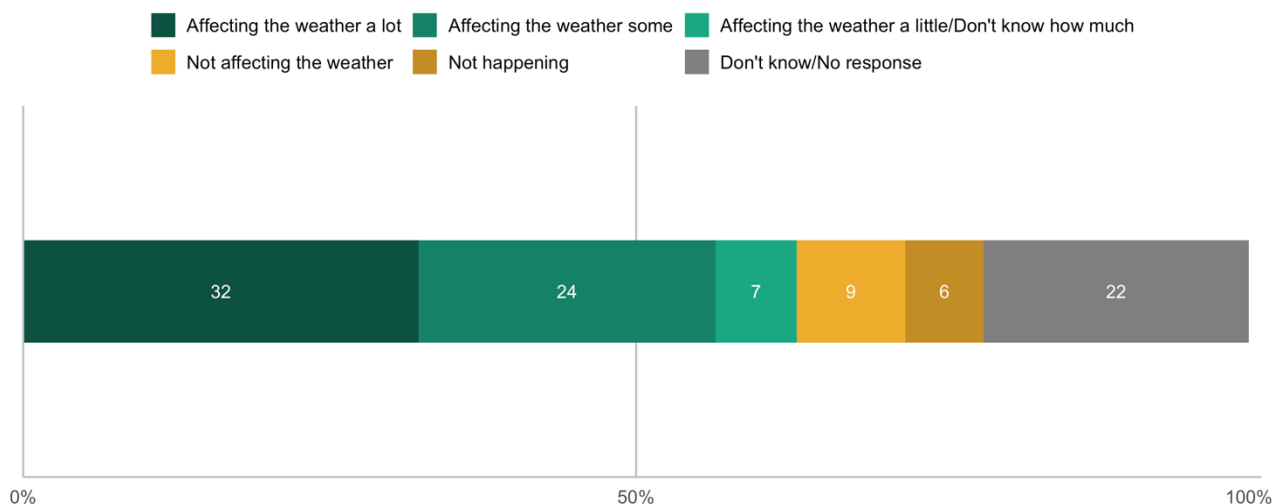


6. Impacts of Global Warming

6.1. A majority of Americans think global warming is affecting weather in the United States.

Sixty-three percent of Americans think global warming is affecting weather in the United States, including a majority (56%) who think global warming is affecting U.S. weather either “a lot” (32%) or “some” (24%).

A majority of Americans think global warming is affecting weather in the United States



Which statement best reflects your view? (a) Global warming is affecting weather in the United States; (b) Global warming is not affecting weather in the United States; (c) Global warming isn't happening; (d) Don't know; (e) Prefer not to answer.

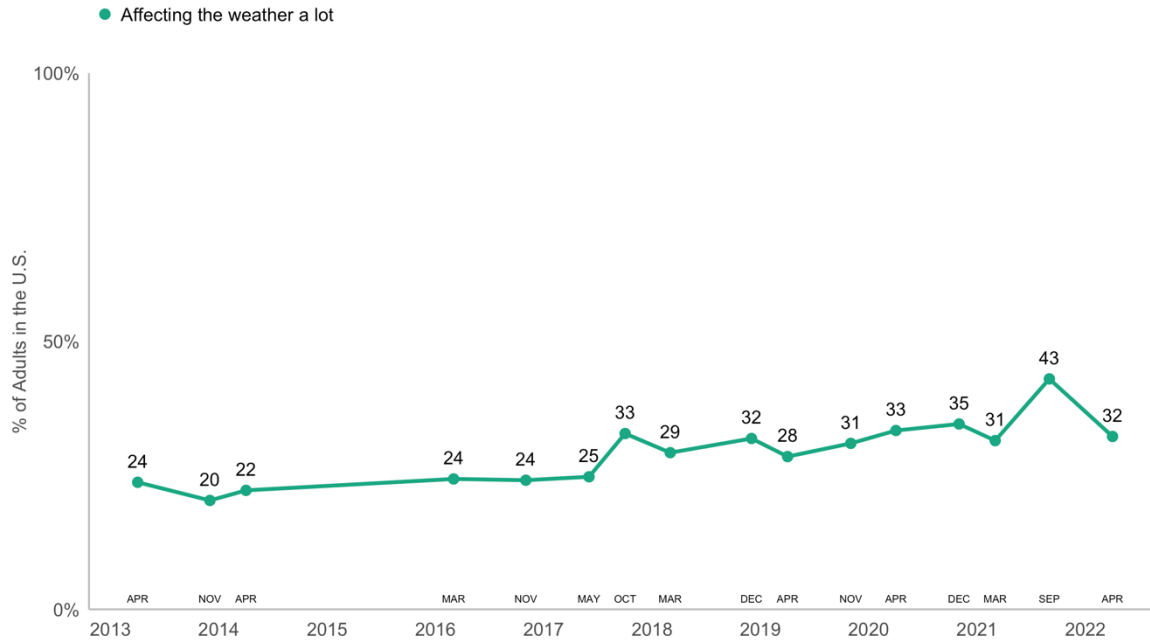
[If (a) selected] How much do you think global warming is affecting weather in the United States?

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As noted above, 32% of Americans think global warming is affecting weather “a lot.” After a large increase in our [September 2021 survey](#), the percentage has returned to about the same level as in our [March 2021 survey](#).

About one in three Americans think global warming is affecting weather "a lot"



Which statement best reflects your view? (a) Global warming is affecting weather in the United States; (b) Global warming is not affecting weather in the United States; (c) Global warming isn't happening; (d) Don't know; (e) Prefer not to answer.

[If (a) selected] How much do you think global warming is affecting weather in the United States?

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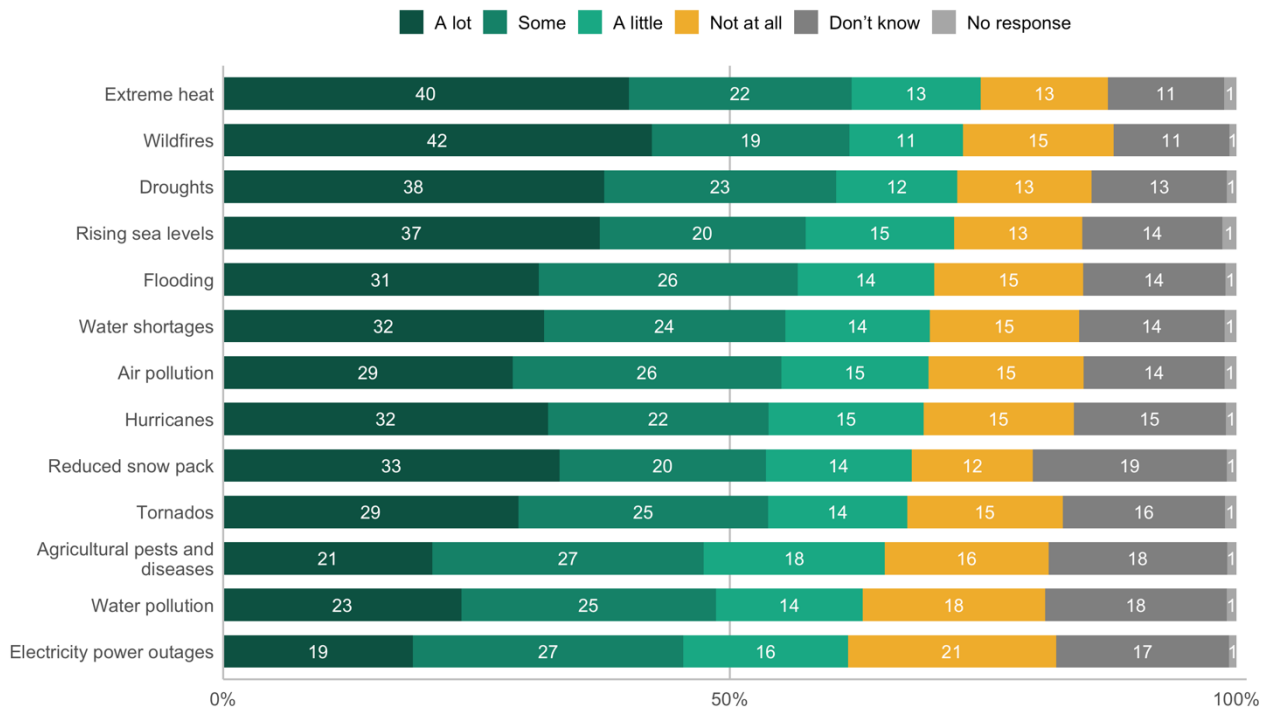


6.2. Most Americans think global warming is affecting environmental problems in the United States.

Most Americans think global warming is affecting many environmental problems in the United States at least “a little.” This includes seven in ten or more who think global warming is affecting extreme heat (75%), wildfires (73%), droughts (72%), rising sea levels (72%), flooding (70%), water shortages (70%), and air pollution (70%). More than six in ten think global warming is affecting hurricanes (69%), reduced snowpack (68%), tornados (67%), agricultural pests and diseases (65%), water pollution (63%), and electricity power outages (62%).

Among these, about four in ten Americans think global warming is affecting wildfires (42%) and extreme heat (40%) in the United States “a lot.”

Most Americans think global warming is affecting environmental problems in the United States



How much do you think global warming is affecting the following in the United States?

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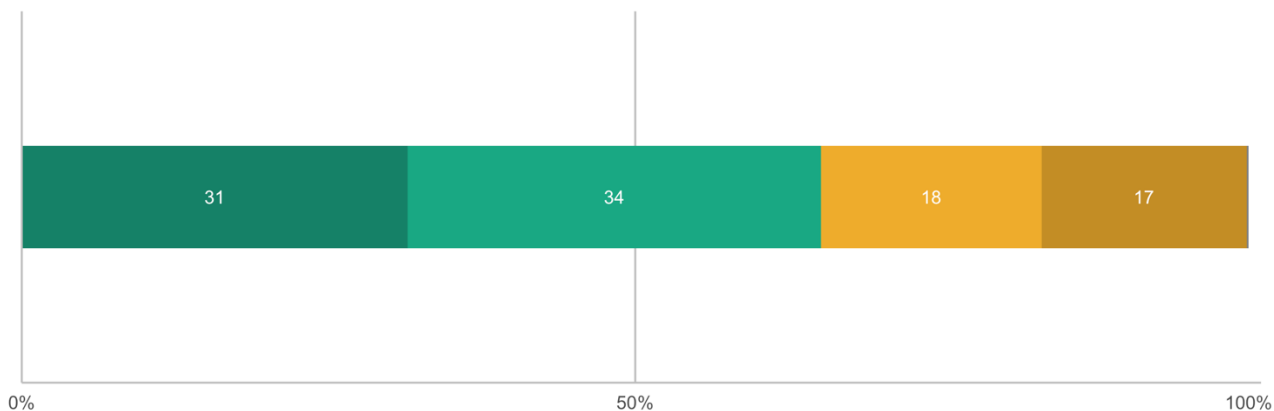


6.3. About two in three Americans think wildfires have increased as a result of global warming.

About two in three Americans (65%) either “strongly” (31%) or “somewhat” (34%) agree that wildfires have increased around the world as a result of global warming.

About two in three Americans think wildfires have increased as a result of global warming

Strongly agree Somewhat agree Somewhat disagree Strongly disagree No response



How much do you agree or disagree with the following statements? Wildfires have increased around the world over the past few years as a result of global warming

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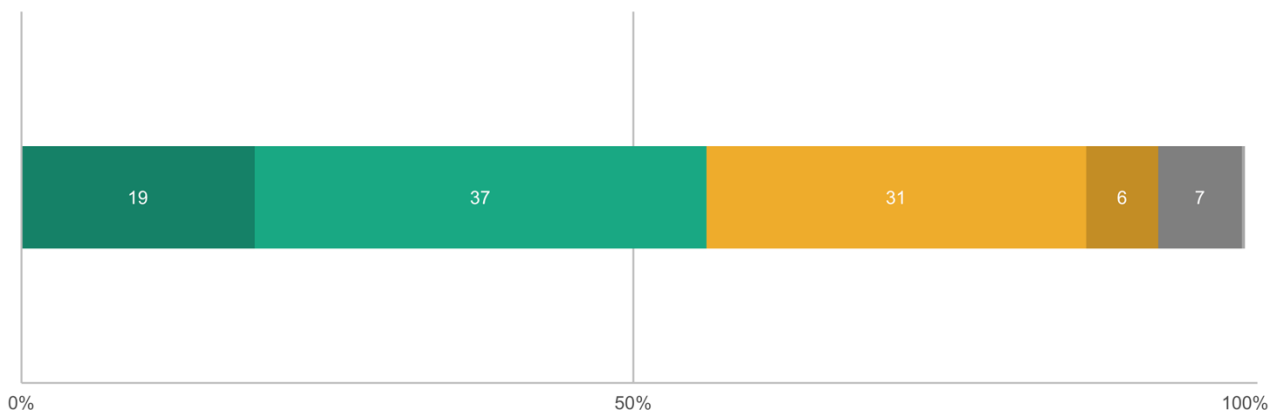


6.4. A majority of Americans think extreme weather poses a risk to their community.

A majority of Americans (56%) think extreme weather poses either a “high” (19%) or “moderate” (37%) risk to their community over the next 10 years. Fewer think extreme weather poses either a “low” risk (31%) or “no” risk (6%).

A majority of Americans think extreme weather poses a risk to their community

■ High risk ■ Moderate risk ■ Low risk ■ No risk ■ Don't know ■ No response



In your opinion, over the next 10 years how much risk does extreme weather pose to your community?

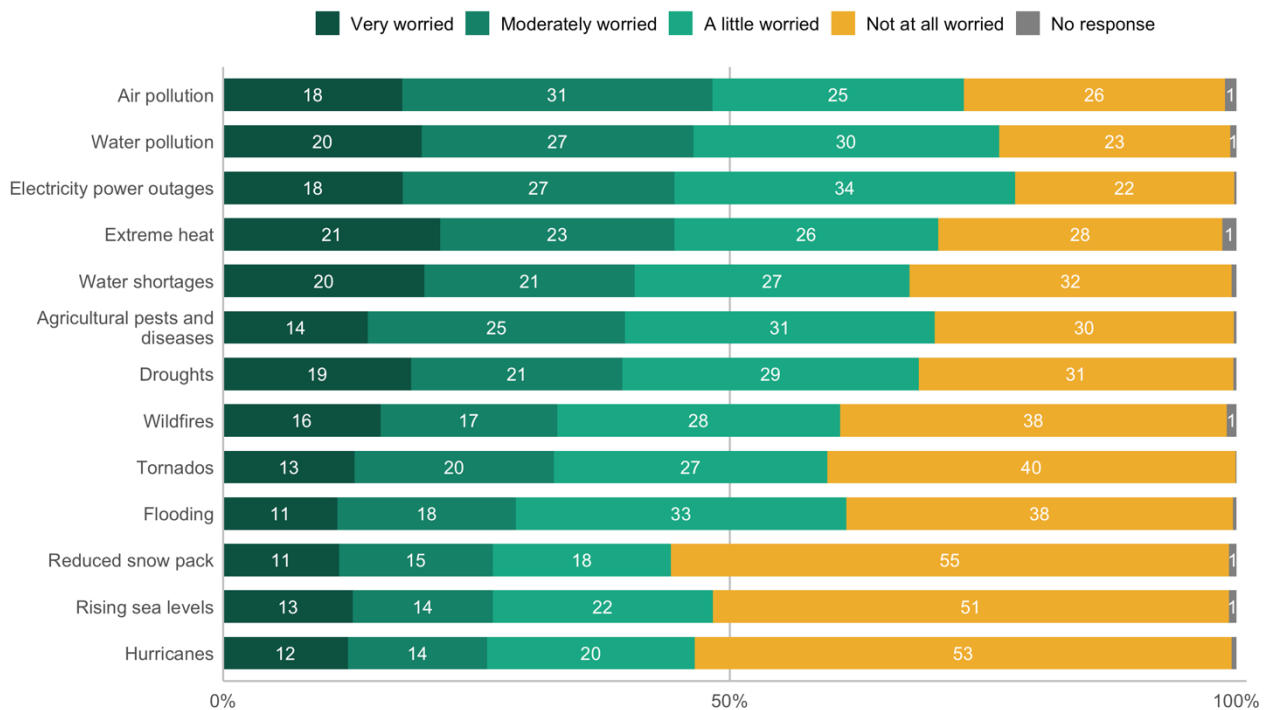
April 2022



6.5. A majority of Americans are worried about harm from environmental problems in their local area.

Section 6.2 of this report outlined the degree to which Americans think global warming is already affecting numerous environmental problems. This section details how worried Americans are that each of those environmental problems will harm their local area in the future. A majority of Americans are at least “a little worried” about harm to their local area from electricity power outages (78%), water pollution (77%), air pollution (73%), extreme heat (71%), agricultural pests and diseases (70%), droughts (69%), water shortages (68%), flooding (61%), wildfires (61%), and tornados (60%). Fewer are worried about rising sea levels (48%), hurricanes (47%), and reduced snowpack (44%).

A majority of Americans are worried about harm from environmental problems in their local area



How worried are you that the following might harm your local area?

April 2022



Appendix I: Data Tables

Table Notes:

- In all tables, the base is all Americans age 18+.
- In the first row of each table, “Unweighted Base” refers to the unweighted number of respondents in each column.
- Percentages reported are weighted to match U.S. Census parameters.
- A dash (“-”) denotes that there were no responses in that cell, and “0” denotes that the cell value is greater than 0 but less than 0.50.
- If a dash (“-”) appears for all possible responses for a given question and wave, then that question was not asked in that survey wave.

1.1 Recently, you may have noticed that global warming has been getting some attention in the news. Global warming refers to the idea that the world’s average temperature has been increasing over the past 150 years, may be increasing more in the future, and that the world’s climate may change as a result.

What do you think: Do you think that global warming is happening?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	71	57	61	63	62	66	70	63	62
No (%)	10	20	18	18	16	14	12	16	23
Don’t know (%)	19	22	21	18	19	20	18	20	14
No response (%)	0	1	0	1	3	1	-	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	64	66	63	67	70	70	70	71	70
No (%)	19	16	18	15	11	13	13	13	14
Don’t know (%)	17	18	19	18	18	17	16	15	16
No response (%)	0	0	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Yes (%)	73	69	72	73	72	70	76	72
No (%)	14	16	12	10	13	15	12	12
Don’t know (%)	13	16	16	16	15	15	11	15
No response (%)	0	-	0	-	0	-	-	-

1.2 How sure are you that global warming is happening?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Extremely sure (%)	25	14	12	13	14	13	19	17	17
Very sure (%)	26	20	22	21	21	22	21	21	20
Somewhat sure (%)	17	21	24	25	24	27	28	23	24
Not at all sure (%)	3	3	2	4	3	3	2	2	2
No response (%)	-	0	0	-	0	0	-	-	-
Not applicable (%)	29	43	39	37	38	34	30	37	38

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Extremely sure (%)	19	16	17	19	21	24	22	25	29
Very sure (%)	21	23	20	21	22	21	24	22	20
Somewhat sure (%)	21	25	24	25	24	23	23	23	19
Not at all sure (%)	3	2	2	2	3	2	1	1	2
No response (%)	-	-	-	-	-	-	-	-	-
Not applicable (%)	36	34	37	33	30	30	30	29	30

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Extremely sure (%)	31	27	31	32	31	27	35	32
Very sure (%)	21	19	21	22	20	23	23	21
Somewhat sure (%)	20	20	17	18	21	19	17	17
Not at all sure (%)	2	2	2	2	1	1	2	2
No response (%)	-	-	0	-	-	-	-	-
Not applicable (%)	27	31	28	27	28	30	24	28

How sure are you that global warming is not happening?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Extremely sure (%)	3	5	4	4	3	2	2	3	5
Very sure (%)	3	6	6	5	6	6	3	5	8
Somewhat sure (%)	4	7	8	7	6	5	6	7	8
Not at all sure (%)	1	1	1	2	1	1	2	2	2
No response (%)	-	1	-	-	0	-	-	-	-
Not applicable (%)	90	80	82	82	84	86	88	84	77

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Extremely sure (%)	3	4	4	3	2	3	4	2	2
Very sure (%)	5	5	6	5	4	4	3	4	5
Somewhat sure (%)	9	6	7	6	4	5	5	5	5
Not at all sure (%)	2	2	2	2	1	1	1	1	2
No response (%)	-	-	-	-	-	-	-	-	-
Not applicable (%)	81	84	82	85	89	87	87	87	86

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Extremely sure (%)	3	3	4	2	2	4	3	3
Very sure (%)	4	5	3	4	4	5	4	4
Somewhat sure (%)	6	6	5	4	4	5	4	4
Not at all sure (%)	1	2	1	1	2	1	1	2
No response (%)	-	0	0	-	0	-	-	-
Not applicable (%)	86	84	88	90	87	85	88	88

1.3 Assuming global warming is happening, do you think it is . . .

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Caused mostly by human activities (%)	57	46	50	47	49	46	54	49	47
Caused by human activities and natural changes (%)	5	6	7	7	6	9	5	7	5
Caused mostly by natural changes in the environment (%)	32	35	34	35	32	37	32	33	36
Neither because global warming isn't happening (%)	4	9	6	8	8	5	7	8	8
Other (%)	1	1	1	1	2	2	1	2	3
Don't know (%)	1	1	1	1	1	1	1	0	-
No response (%)	1	2	1	1	3	1	-	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Caused mostly by human activities (%)	52	51	52	53	53	55	58	54	58
Caused by human activities and natural changes (%)	5	6	4	5	5	5	6	6	5
Caused mostly by natural changes in the environment (%)	33	33	32	33	34	30	30	33	28
Neither because global warming isn't happening (%)	7	9	10	8	7	8	6	6	7
Other (%)	1	1	1	1	1	1	1	1	1
Don't know (%)	1	1	1	0	1	1	1	0	0
No response (%)	1	-	-	-	-	0	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Caused mostly by human activities (%)	62	55	59	62	58	57	60	56
Caused by human activities and natural changes (%)	6	6	5	5	6	5	6	5
Caused mostly by natural changes in the environment (%)	23	32	30	29	29	30	27	33
Neither because global warming isn't happening (%)	8	6	5	5	5	8	5	5
Other (%)	0	1	1	0	1	0	1	1
Don't know (%)	0	1	0	0	0	0	1	0
No response (%)	0	0	0	0	0	-	0	-

1.4 Which comes closest to your own view?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Most scientists think global warming is happening (%)	46	33	34	38	40	34	44	42	42
There is a lot of disagreement among scientists about whether or not global warming is happening (%)	33	39	45	39	38	41	36	33	33
Most scientists think global warming is not happening (%)	2	5	4	4	3	3	3	4	6
Don't know enough to say (%)	18	21	17	18	17	21	18	20	18
No response (%)	1	2	0	1	2	1	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Most scientists think global warming is happening (%)	40	44	40	-	48	51	49	56	49
There is a lot of disagreement among scientists about whether or not global warming is happening (%)	32	31	32	-	28	27	27	27	27
Most scientists think global warming is not happening (%)	5	3	3	-	3	3	3	2	2
Don't know enough to say (%)	23	22	25	-	21	18	21	14	21
No response (%)	0	-	-	-	0	0	-	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Most scientists think global warming is happening (%)	57	53	55	56	58	57	59	55
There is a lot of disagreement among scientists about whether or not global warming is happening (%)	25	25	24	24	23	24	21	25
Most scientists think global warming is not happening (%)	3	3	4	3	3	3	3	2
Don't know enough to say (%)	14	19	17	16	16	16	17	19
No response (%)	0	0	-	0	0	-	-	-

1.5 To the best of your knowledge, what percentage of climate scientists think that human-caused global warming is happening? Please click on the slider bar below to indicate your answer. You can slide the indicator to the position that best describes your opinion.

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
0-10% (%)	-	-	-	-	-	-	-	-	-
11-20% (%)	-	-	-	-	-	-	-	-	-
21-30% (%)	-	-	-	-	-	-	-	-	-
31-40% (%)	-	-	-	-	-	-	-	-	-
41-50% (%)	-	-	-	-	-	-	-	-	-
51-60% (%)	-	-	-	-	-	-	-	-	-
61-70% (%)	-	-	-	-	-	-	-	-	-
71-80% (%)	-	-	-	-	-	-	-	-	-
81-90% (%)	-	-	-	-	-	-	-	-	-
91-100% (%)	-	-	-	-	-	-	-	-	-
Don't know enough to say (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
0-10% (%)	1	1	1	2	1	2	2	1	1
11-20% (%)	1	1	1	2	1	1	1	1	1
21-30% (%)	5	4	4	4	4	7	4	5	4
31-40% (%)	3	2	2	2	2	3	3	3	1
41-50% (%)	15	15	14	12	13	13	13	13	10
51-60% (%)	8	7	6	5	6	6	7	5	4
61-70% (%)	7	7	8	6	8	7	6	5	5
71-80% (%)	14	17	15	18	15	17	14	17	15
81-90% (%)	7	7	8	10	8	9	10	10	10
91-100% (%)	9	9	9	12	11	15	13	15	15
Don't know enough to say (%)	28	29	31	27	32	21	28	24	34
No response (%)	2	1	1	0	0	0	-	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
0-10% (%)	1	1	2	1	1	1	1	2
11-20% (%)	1	1	1	1	1	1	1	1
21-30% (%)	1	2	2	2	1	2	1	2
31-40% (%)	2	3	3	2	3	2	2	4
41-50% (%)	15	17	10	11	10	10	9	9
51-60% (%)	6	7	8	10	8	7	7	8
61-70% (%)	6	7	8	6	7	6	7	6
71-80% (%)	15	12	12	13	14	14	12	14
81-90% (%)	11	10	11	11	13	13	13	11
91-100% (%)	20	17	22	21	20	22	24	20
Don't know enough to say (%)	22	21	21	22	22	24	24	25
No response (%)	-	-	0	0	0	-	-	-

2.1 How worried are you about global warming?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	16	11	12	9	12	11	16	14	15
Somewhat worried (%)	46	37	41	42	41	42	42	37	38
Not very worried (%)	24	27	30	28	30	30	25	30	26
Not at all worried (%)	13	22	18	20	15	16	17	19	20
No response (%)	1	2	0	1	2	1	0	0	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	15	11	11	16	16	19	17	22	21
Somewhat worried (%)	41	45	41	41	42	42	39	42	41
Not very worried (%)	27	26	29	27	25	24	27	23	22
Not at all worried (%)	18	18	19	16	18	15	17	14	16
No response (%)	0	-	-	-	-	-	-	-	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	29	23	30	26	27	25	35	30
Somewhat worried (%)	40	39	36	40	39	40	35	34
Not very worried (%)	19	23	19	22	20	19	18	19
Not at all worried (%)	13	14	15	12	14	17	12	17
No response (%)	0	-	-	-	-	-	-	-

2.2 How strongly do you feel each of the following emotions when you think about the issue of global warming?

Afraid

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very (%)	-	9	9	12	-	-	-	-	10
Moderately (%)	-	26	28	27	-	-	-	-	25
Not very (%)	-	27	27	25	-	-	-	-	27
Not at all (%)	-	34	34	33	-	-	-	-	34
No response (%)	-	5	3	4	-	-	-	-	3

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very (%)	-	-	-	-	11	12	-	14	10
Moderately (%)	-	-	-	-	31	30	-	34	28
Not very (%)	-	-	-	-	26	27	-	28	31
Not at all (%)	-	-	-	-	30	29	-	22	28
No response (%)	-	-	-	-	1	1	-	2	3

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very (%)	13	-	15	7	8	-	-	15
Moderately (%)	36	-	31	28	29	-	-	31
Not very (%)	26	-	23	26	26	-	-	24
Not at all (%)	24	-	30	38	36	-	-	29
No response (%)	1	-	1	1	1	-	-	1

How strongly do you feel each of the following emotions when you think about the issue of global warming?**Interested**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very (%)	-	20	19	22	-	-	-	-	21
Moderately (%)	-	42	47	42	-	-	-	-	38
Not very (%)	-	15	15	15	-	-	-	-	19
Not at all (%)	-	18	15	18	-	-	-	-	19
No response (%)	-	5	3	3	-	-	-	-	3

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very (%)	-	-	-	23	22	23	-	24	19
Moderately (%)	-	-	-	43	45	43	-	43	42
Not very (%)	-	-	-	18	16	15	-	20	20
Not at all (%)	-	-	-	14	16	18	-	12	15
No response (%)	-	-	-	1	1	1	-	1	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very (%)	25	-	23	19	19	-	22	19
Moderately (%)	44	-	41	44	41	-	44	43
Not very (%)	18	-	17	17	18	-	17	18
Not at all (%)	12	-	18	18	21	-	16	19
No response (%)	1	-	1	1	1	-	1	1

How strongly do you feel each of the following emotions when you think about the issue of global warming?**Angry**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very (%)	-	15	10	12	-	-	-	-	13
Moderately (%)	-	28	30	25	-	-	-	-	22
Not very (%)	-	26	28	28	-	-	-	-	30
Not at all (%)	-	27	30	32	-	-	-	-	32
No response (%)	-	4	3	3	-	-	-	-	3

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very (%)	-	-	-	-	12	12	-	16	11
Moderately (%)	-	-	-	-	29	26	-	32	28
Not very (%)	-	-	-	-	29	31	-	28	31
Not at all (%)	-	-	-	-	29	30	-	22	28
No response (%)	-	-	-	-	1	1	-	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very (%)	15	-	16	13	11	-	15	14
Moderately (%)	33	-	29	27	26	-	32	30
Not very (%)	27	-	23	23	26	-	25	27
Not at all (%)	24	-	31	35	36	-	26	28
No response (%)	1	-	1	1	1	-	1	1

How strongly do you feel each of the following emotions when you think about the issue of global warming?**Sad**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very (%)	-	11	10	12	-	-	-	-	11
Moderately (%)	-	29	33	32	-	-	-	-	29
Not very (%)	-	24	20	19	-	-	-	-	23
Not at all (%)	-	31	34	35	-	-	-	-	34
No response (%)	-	5	3	3	-	-	-	-	3

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very (%)	-	-	-	-	-	-	-	-	-
Moderately (%)	-	-	-	-	-	-	-	-	-
Not very (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very (%)	-	-	-	-	-	-	-	20
Moderately (%)	-	-	-	-	-	-	-	31
Not very (%)	-	-	-	-	-	-	-	21
Not at all (%)	-	-	-	-	-	-	-	27
No response (%)	-	-	-	-	-	-	-	1

How strongly do you feel each of the following emotions when you think about the issue of global warming?**Hopeful**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very (%)	-	9	10	9	-	-	-	-	9
Moderately (%)	-	34	35	34	-	-	-	-	33
Not very (%)	-	29	29	27	-	-	-	-	31
Not at all (%)	-	23	24	25	-	-	-	-	24
No response (%)	-	5	3	4	-	-	-	-	3

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very (%)	-	-	-	11	10	11	-	7	7
Moderately (%)	-	-	-	39	38	38	-	37	35
Not very (%)	-	-	-	32	30	30	-	39	36
Not at all (%)	-	-	-	17	20	21	-	16	19
No response (%)	-	-	-	1	1	1	-	2	3

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very (%)	10	-	9	10	7	-	7	9
Moderately (%)	38	-	33	35	36	-	35	30
Not very (%)	34	-	34	30	31	-	36	37
Not at all (%)	17	-	22	23	25	-	21	24
No response (%)	1	-	1	2	1	-	2	1

How strongly do you feel each of the following emotions when you think about the issue of global warming?**Disgusted**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very (%)	-	20	14	15	-	-	-	-	17
Moderately (%)	-	29	33	31	-	-	-	-	25
Not very (%)	-	22	23	22	-	-	-	-	26
Not at all (%)	-	24	27	28	-	-	-	-	29
No response (%)	-	5	4	4	-	-	-	-	3

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very (%)	-	-	-	-	14	15	-	22	14
Moderately (%)	-	-	-	-	34	28	-	33	33
Not very (%)	-	-	-	-	25	28	-	25	26
Not at all (%)	-	-	-	-	26	28	-	19	25
No response (%)	-	-	-	-	1	1	-	2	3

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very (%)	19	-	20	16	13	-	21	18
Moderately (%)	34	-	30	30	29	-	33	33
Not very (%)	24	-	21	20	22	-	21	22
Not at all (%)	22	-	28	33	35	-	24	26
No response (%)	1	-	1	1	1	-	1	1

How strongly do you feel each of the following emotions when you think about the issue of global warming?**Outraged**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very (%)	-	-	-	-	-	-	-	-	-
Moderately (%)	-	-	-	-	-	-	-	-	-
Not very (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very (%)	-	-	-	-	12	12	-	15	11
Moderately (%)	-	-	-	-	29	24	-	28	26
Not very (%)	-	-	-	-	28	32	-	32	32
Not at all (%)	-	-	-	-	30	31	-	23	29
No response (%)	-	-	-	-	1	1	-	2	3

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very (%)	14	-	17	13	10	-	15	14
Moderately (%)	29	-	28	27	26	-	30	28
Not very (%)	29	-	22	22	25	-	27	25
Not at all (%)	27	-	32	37	38	-	27	32
No response (%)	1	-	1	1	1	-	1	1

3.1 How much do you agree or disagree with the following statements?

I have personally experienced the effects of global warming

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Strongly agree (%)	4	4	5	5	7	5	4	6	6
Somewhat agree (%)	28	19	24	27	28	30	34	33	27
Somewhat disagree (%)	42	32	34	32	34	30	30	29	30
Strongly disagree (%)	24	37	34	30	23	33	31	31	36
No response (%)	2	7	3	6	8	2	0	2	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Strongly agree (%)	5	4	4	-	7	7	5	8	5
Somewhat agree (%)	29	26	27	-	33	29	34	36	36
Somewhat disagree (%)	29	29	29	-	29	29	29	30	27
Strongly disagree (%)	35	41	40	-	31	35	31	26	32
No response (%)	1	0	-	-	0	0	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Strongly agree (%)	11	6	10	9	12	7	12	9
Somewhat agree (%)	35	32	35	35	30	36	40	33
Somewhat disagree (%)	24	28	23	26	24	26	21	25
Strongly disagree (%)	31	33	31	30	34	31	26	33
No response (%)	-	0	0	0	-	1	-	0

3.2 When do you think global warming will start to harm people in the United States?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
They are being harmed now (%)	33	24	28	31	29	29	36	34	34
In 10 years (%)	13	12	12	11	10	11	13	11	10
In 25 years (%)	13	13	11	13	13	13	11	12	14
In 50 years (%)	13	12	13	12	15	14	12	12	11
In 100 years (%)	12	13	14	11	15	15	13	13	12
Never (%)	14	23	19	19	16	15	15	17	18
No response (%)	3	2	3	2	3	2	1	1	2

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
They are being harmed now (%)	32	33	32	34	38	36	35	42	39
In 10 years (%)	9	10	10	13	12	14	11	12	11
In 25 years (%)	14	14	13	14	13	15	13	12	12
In 50 years (%)	15	12	11	11	12	10	13	11	12
In 100 years (%)	14	13	13	10	10	9	13	11	11
Never (%)	16	18	20	18	14	16	15	12	15
No response (%)	1	0	0	0	0	0	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
They are being harmed now (%)	48	38	45	45	47	45	55	48
In 10 years (%)	7	10	12	13	12	11	9	9
In 25 years (%)	14	13	12	12	10	10	8	10
In 50 years (%)	7	11	9	9	9	8	7	9
In 100 years (%)	9	12	9	8	9	9	8	8
Never (%)	14	15	14	13	14	16	13	16
No response (%)	0	0	0	0	0	0	0	0

3.3 How much do you think global warming will harm . . . ?

You personally

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	9	13	10	11	9	11	16	15	13
A moderate amount (%)	22	23	21	18	20	18	26	25	25
Only a little (%)	24	21	27	27	28	30	25	26	27
Not at all (%)	22	30	24	25	24	29	20	23	26
Don't know (%)	23	11	18	17	16	11	13	11	8
No response (%)	1	2	0	2	3	1	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	13	12	10	14	12	14	13	16	14
A moderate amount (%)	25	24	26	27	28	27	29	33	28
Only a little (%)	26	26	26	26	24	25	26	24	27
Not at all (%)	25	27	25	20	23	25	22	19	20
Don't know (%)	10	11	13	12	12	8	9	7	11
No response (%)	1	0	0	0	0	-	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A great deal (%)	22	14	18	13	15	15	21	17
A moderate amount (%)	27	29	26	29	28	30	29	30
Only a little (%)	20	24	24	26	24	24	21	21
Not at all (%)	20	25	22	21	23	22	20	23
Don't know (%)	10	8	11	10	10	10	9	9
No response (%)	0	0	0	-	0	0	-	-

How much do you think global warming will harm . . . ?**Your family**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	11	15	11	12	10	12	18	17	17
A moderate amount (%)	24	25	25	21	23	21	28	27	25
Only a little (%)	23	21	23	25	27	28	23	23	25
Not at all (%)	18	27	21	23	21	26	17	20	24
Don't know (%)	23	11	19	17	17	12	14	11	8
No response (%)	1	2	0	2	2	1	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	16	15	13	-	15	17	16	19	17
A moderate amount (%)	27	28	28	-	30	30	31	35	30
Only a little (%)	24	23	23	-	22	24	25	22	25
Not at all (%)	21	23	22	-	21	21	19	16	17
Don't know (%)	11	11	13	-	12	8	9	8	12
No response (%)	1	0	0	-	-	-	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A great deal (%)	27	18	21	16	19	17	26	21
A moderate amount (%)	29	30	28	30	30	32	29	30
Only a little (%)	17	22	22	24	20	22	18	21
Not at all (%)	17	22	18	19	21	19	18	20
Don't know (%)	9	9	11	11	10	10	9	9
No response (%)	-	0	0	-	0	0	-	-

How much do you think global warming will harm . . . ?**People in your community**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	13	15	11	12	10	12	19	17	14
A moderate amount (%)	26	27	25	21	23	21	29	28	29
Only a little (%)	20	21	23	25	26	29	23	23	24
Not at all (%)	17	24	21	21	20	24	15	18	23
Don't know (%)	23	11	19	18	17	13	13	13	9
No response (%)	1	3	0	2	3	2	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	16	16	14	-	15	19	16	21	17
A moderate amount (%)	28	27	29	-	31	30	32	34	32
Only a little (%)	24	23	24	-	23	22	23	22	22
Not at all (%)	20	22	20	-	19	20	18	15	16
Don't know (%)	11	11	14	-	12	9	10	8	12
No response (%)	1	0	0	-	0	-	-	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A great deal (%)	27	19	22	17	19	18	25	19
A moderate amount (%)	30	30	29	31	32	33	31	33
Only a little (%)	16	22	20	23	19	21	17	20
Not at all (%)	16	21	17	17	19	18	16	18
Don't know (%)	10	8	11	11	10	11	10	9
No response (%)	0	0	0	0	0	0	-	-

How much do you think global warming will harm . . . ?**People in the United States**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	21	22	16	16	15	18	26	22	23
A moderate amount (%)	28	28	28	26	28	28	31	30	30
Only a little (%)	15	15	21	22	23	23	17	18	19
Not at all (%)	13	21	17	17	16	17	12	16	20
Don't know (%)	22	12	17	18	16	12	13	12	7
No response (%)	1	3	0	2	3	2	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	23	23	19	23	24	28	25	34	28
A moderate amount (%)	30	30	30	33	35	32	33	33	30
Only a little (%)	18	20	20	18	16	17	19	14	18
Not at all (%)	18	17	17	14	15	15	15	11	12
Don't know (%)	10	11	14	12	10	8	9	7	12
No response (%)	1	0	0	0	0	-	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A great deal (%)	38	30	35	29	32	31	38	31
A moderate amount (%)	27	28	30	33	30	32	29	33
Only a little (%)	12	15	12	16	14	13	12	14
Not at all (%)	13	17	13	12	13	14	11	14
Don't know (%)	10	9	10	10	11	9	9	8
No response (%)	0	0	0	-	-	0	-	-

How much do you think global warming will harm . . . ?**People in developing countries**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	31	28	22	23	22	26	35	30	32
A moderate amount (%)	21	24	27	21	27	25	29	25	24
Only a little (%)	10	14	17	19	17	18	10	18	17
Not at all (%)	13	19	15	16	15	16	11	13	19
Don't know (%)	24	13	18	18	17	14	15	13	8
No response (%)	1	2	0	2	3	2	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	31	29	27	34	36	40	37	47	38
A moderate amount (%)	24	26	26	27	27	25	25	25	24
Only a little (%)	17	16	17	13	12	12	16	10	12
Not at all (%)	16	17	15	13	13	13	13	10	12
Don't know (%)	11	12	15	13	12	11	9	9	13
No response (%)	1	0	0	0	-	-	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A great deal (%)	48	42	48	44	46	47	52	44
A moderate amount (%)	20	22	19	22	21	21	19	25
Only a little (%)	8	11	8	10	10	9	7	9
Not at all (%)	11	15	12	10	10	12	11	12
Don't know (%)	13	10	12	14	13	11	11	10
No response (%)	0	0	0	-	0	0	-	-

How much do you think global warming will harm . . . ?**The world's poor**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	-	-	-	-	-	-	-	-	-
A moderate amount (%)	-	-	-	-	-	-	-	-	-
Only a little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	-	-	30	36	40	43	39	49	40
A moderate amount (%)	-	-	23	25	22	21	23	21	22
Only a little (%)	-	-	16	12	12	11	15	10	13
Not at all (%)	-	-	16	13	13	13	13	10	12
Don't know (%)	-	-	15	13	14	12	10	9	13
No response (%)	-	-	-	0	0	0	-	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A great deal (%)	50	44	50	46	48	47	55	50
A moderate amount (%)	17	20	16	21	18	21	16	20
Only a little (%)	8	11	9	11	10	9	8	8
Not at all (%)	12	15	13	10	12	13	11	13
Don't know (%)	13	10	12	12	13	11	11	10
No response (%)	-	0	0	-	0	0	-	-

How much do you think global warming will harm . . . ?**Future generations of people**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	43	41	39	36	40	42	47	42	46
A moderate amount (%)	17	21	22	22	21	22	21	21	19
Only a little (%)	7	9	11	10	13	12	9	12	11
Not at all (%)	10	15	12	11	9	11	8	12	15
Don't know (%)	22	12	16	18	15	13	14	12	9
No response (%)	2	3	1	3	2	1	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	49	46	42	51	48	53	50	54	52
A moderate amount (%)	18	18	21	19	22	18	20	21	18
Only a little (%)	10	11	10	8	8	9	10	8	9
Not at all (%)	11	13	12	11	10	10	11	9	9
Don't know (%)	11	13	15	11	11	10	8	8	12
No response (%)	1	0	0	0	0	-	-	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A great deal (%)	59	52	57	53	55	55	58	54
A moderate amount (%)	16	17	15	20	17	16	16	18
Only a little (%)	6	9	7	9	8	8	7	10
Not at all (%)	9	13	10	7	8	11	9	10
Don't know (%)	10	9	11	11	12	10	10	9
No response (%)	-	0	0	-	0	0	-	-

How much do you think global warming will harm . . . ?**Plant and animal species**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	45	41	40	38	40	43	43	39	46
A moderate amount (%)	17	19	20	18	18	21	25	24	19
Only a little (%)	8	10	12	12	15	13	11	13	11
Not at all (%)	9	15	13	12	9	10	8	13	15
Don't know (%)	20	12	15	17	14	12	13	10	7
No response (%)	2	3	1	2	3	1	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	47	44	42	-	48	50	49	54	53
A moderate amount (%)	19	20	21	-	23	19	22	21	18
Only a little (%)	12	10	12	-	9	10	10	9	9
Not at all (%)	12	13	12	-	11	11	11	8	9
Don't know (%)	10	12	13	-	10	9	8	7	10
No response (%)	1	0	0	-	0	0	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A great deal (%)	58	52	57	54	55	53	59	54
A moderate amount (%)	16	19	16	19	18	18	17	18
Only a little (%)	8	10	7	9	9	9	7	10
Not at all (%)	9	11	10	8	8	11	8	9
Don't know (%)	9	8	10	10	10	9	9	9
No response (%)	0	0	0	-	0	0	-	-

3.4 Have you ever considered moving to a different home to avoid the impacts of global warming, such as sea-level rise, flooding, heat waves, or wildfires?

	Apr 2022
Unweighted Base	1,018
Yes (%)	13
No (%)	78
Not sure (%)	8
No response (%)	1

4.1 How often do you discuss global warming with your family and friends?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Often (%)	5	6	5	4	4	5	3	4	3
Occasionally (%)	35	29	30	26	26	24	26	28	23
Rarely (%)	33	34	39	41	39	40	38	39	38
Never (%)	26	30	25	28	29	30	34	28	34
No response (%)	1	2	0	1	2	1	0	0	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Often (%)	4	3	3	5	4	6	5	6	5
Occasionally (%)	28	24	23	29	27	27	28	32	30
Rarely (%)	39	36	38	33	36	36	36	37	34
Never (%)	29	37	36	32	32	31	31	25	31
No response (%)	0	-	-	-	-	-	-	-	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Often (%)	8	6	9	5	6	6	7	5
Occasionally (%)	34	31	32	31	32	27	32	28
Rarely (%)	33	33	32	38	31	34	30	35
Never (%)	26	30	27	26	32	33	30	32
No response (%)	-	-	-	0	0	-	-	-

4.2 About how often do you hear about global warming in the media (TV, movies, radio, newspapers/news websites, magazines, etc.)?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
At least once a week (%)	-	-	-	-	-	-	-	-	-
At least once a month (%)	-	-	-	-	-	-	-	-	-
Several times a year (%)	-	-	-	-	-	-	-	-	-
Once a year or less often (%)	-	-	-	-	-	-	-	-	-
Never (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
At least once a week (%)	-	-	19	25	22	-	23	24	20
At least once a month (%)	-	-	21	23	22	-	20	28	23
Several times a year (%)	-	-	30	26	26	-	26	25	28
Once a year or less often (%)	-	-	8	8	8	-	9	7	9
Never (%)	-	-	6	6	7	-	9	3	7
Not sure (%)	-	-	15	11	15	-	11	13	12
No response (%)	-	-	0	1	0	-	1	1	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
At least once a week (%)	34	31	35	24	27	27	35	33
At least once a month (%)	22	20	21	24	23	21	22	24
Several times a year (%)	22	21	19	24	24	27	18	19
Once a year or less often (%)	5	6	6	8	7	6	5	7
Never (%)	6	8	6	8	7	7	9	6
Not sure (%)	8	13	13	12	10	11	10	11
No response (%)	2	1	1	1	1	1	1	0

About how often do you hear other people you know (your family, friends, co-workers, etc.) talk about global warming?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
At least once a week (%)	-	-	-	-	-	-	-	-	-
At least once a month (%)	-	-	-	-	-	-	-	-	-
Several times a year (%)	-	-	-	-	-	-	-	-	-
Once a year or less often (%)	-	-	-	-	-	-	-	-	-
Never (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
At least once a week (%)	-	-	4	6	5	-	6	7	5
At least once a month (%)	-	-	12	15	13	-	13	17	15
Several times a year (%)	-	-	23	22	25	-	21	24	24
Once a year or less often (%)	-	-	21	22	19	-	22	21	20
Never (%)	-	-	25	26	24	-	28	18	22
Not sure (%)	-	-	14	9	13	-	10	12	13
No response (%)	-	-	0	1	1	-	1	1	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
At least once a week (%)	9	8	8	6	5	6	9	8
At least once a month (%)	17	15	16	16	16	13	15	15
Several times a year (%)	24	23	23	24	23	22	23	20
Once a year or less often (%)	19	16	15	23	21	20	15	19
Never (%)	22	24	25	24	28	28	28	28
Not sure (%)	7	12	12	8	7	9	9	8
No response (%)	1	1	1	1	0	1	1	0

4.3 How important is the issue of global warming to you personally?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Extremely important (%)	10	5	6	7	6	6	6	8	8
Very important (%)	20	14	18	15	13	14	17	13	14
Somewhat important (%)	39	37	38	37	40	40	36	36	33
Not too important (%)	18	23	24	24	24	23	24	24	25
Not at all important (%)	11	19	14	14	15	16	17	18	18
No response (%)	1	2	0	2	2	2	0	0	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Extremely important (%)	8	5	6	7	9	10	10	12	10
Very important (%)	17	16	15	18	17	17	16	19	18
Somewhat important (%)	38	37	35	37	35	34	38	37	35
Not too important (%)	21	24	24	21	21	22	22	19	22
Not at all important (%)	16	18	20	17	17	16	15	14	15
No response (%)	0	0	-	-	0	-	-	-	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Extremely important (%)	16	12	18	13	13	13	19	15
Very important (%)	24	18	24	24	24	22	24	24
Somewhat important (%)	32	33	26	29	30	33	28	25
Not too important (%)	15	19	18	20	17	16	15	18
Not at all important (%)	14	17	16	13	16	17	15	18
No response (%)	-	0	-	0	-	0	-	-

4.4 How important is it to your family and friends that you take action to reduce global warming?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Extremely important (%)	-	-	-	-	-	-	-	-	-
Very important (%)	-	-	-	-	-	-	-	-	-
Moderately important (%)	-	-	-	-	-	-	-	-	-
Not too important (%)	-	-	-	-	-	-	-	-	-
Not at all important (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Extremely important (%)	-	-	-	-	-	-	5	-	-
Very important (%)	-	-	-	-	-	-	13	-	-
Moderately important (%)	-	-	-	-	-	-	27	-	-
Not too important (%)	-	-	-	-	-	-	23	-	-
Not at all important (%)	-	-	-	-	-	-	20	-	-
Don't know (%)	-	-	-	-	-	-	11	-	-
No response (%)	-	-	-	-	-	-	0	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Extremely important (%)	6	5	6	5	6	5	5	6
Very important (%)	13	14	11	12	12	12	13	10
Moderately important (%)	27	26	26	30	27	25	25	24
Not too important (%)	19	17	20	20	21	20	20	19
Not at all important (%)	18	19	19	17	21	22	20	24
Don't know (%)	16	17	17	15	12	15	16	16
No response (%)	1	2	1	0	0	1	1	1

How much of an effort do your family and friends make to reduce global warming?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal of effort (%)	-	-	-	-	-	-	-	-	-
A lot of effort (%)	-	-	-	-	-	-	-	-	-
A moderate amount of effort (%)	-	-	-	-	-	-	-	-	-
A little effort (%)	-	-	-	-	-	-	-	-	-
No effort (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal of effort (%)	-	-	-	-	-	-	3	-	-
A lot of effort (%)	-	-	-	-	-	-	8	-	-
A moderate amount of effort (%)	-	-	-	-	-	-	31	-	-
A little effort (%)	-	-	-	-	-	-	29	-	-
No effort (%)	-	-	-	-	-	-	19	-	-
Don't know (%)	-	-	-	-	-	-	10	-	-
No response (%)	-	-	-	-	-	-	0	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A great deal of effort (%)	4	3	3	2	3	3	3	4
A lot of effort (%)	7	8	7	6	7	7	7	7
A moderate amount of effort (%)	29	30	30	37	26	27	28	29
A little effort (%)	29	24	28	29	31	31	30	28
No effort (%)	16	19	16	12	19	18	17	19
Don't know (%)	14	15	15	14	13	13	15	14
No response (%)	1	1	1	0	0	1	1	0

5.1 Please indicate how strongly you agree or disagree with the following statement:**It's already too late to do anything about global warming.**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Strongly agree (%)	-	-	-	-	-	-	-	-	-
Somewhat agree (%)	-	-	-	-	-	-	-	-	-
Somewhat disagree (%)	-	-	-	-	-	-	-	-	-
Strongly disagree (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
Prefer not to answer (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Strongly agree (%)	-	-	-	-	-	-	-	-	-
Somewhat agree (%)	-	-	-	-	-	-	-	-	-
Somewhat disagree (%)	-	-	-	-	-	-	-	-	-
Strongly disagree (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
Prefer not to answer (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Strongly agree (%)	2	3	3	2	3	3	3	4
Somewhat agree (%)	12	9	9	9	11	9	10	13
Somewhat disagree (%)	28	25	28	24	24	25	26	22
Strongly disagree (%)	38	39	38	44	44	38	41	39
Don't know (%)	15	17	16	14	15	18	15	17
Prefer not to answer (%)	4	5	5	6	3	5	5	5
No response (%)	1	1	1	0	0	1	1	1

5.2 How much do you agree or disagree with the following statements?

New technologies can solve global warming without individuals having to make big changes in their lives

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Strongly agree (%)	4	5	6	7	6	6	5	5	6
Somewhat agree (%)	25	40	31	37	37	29	34	32	32
Somewhat disagree (%)	44	32	38	31	35	35	35	35	34
Strongly disagree (%)	24	18	20	20	15	27	25	25	26
No response (%)	3	6	4	5	7	2	1	2	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Strongly agree (%)	4	6	6	-	8	-	7	-	8
Somewhat agree (%)	29	35	33	-	36	-	37	-	38
Somewhat disagree (%)	39	33	36	-	33	-	37	-	33
Strongly disagree (%)	27	26	25	-	22	-	19	-	21
No response (%)	1	0	0	-	0	-	0	-	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Strongly agree (%)	-	10	12	7	-	8	9	10
Somewhat agree (%)	-	39	36	39	-	38	39	37
Somewhat disagree (%)	-	33	31	34	-	32	33	30
Strongly disagree (%)	-	18	21	19	-	22	19	22
No response (%)	-	0	0	0	-	1	0	0

6.1a Which statement below best reflects your view?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Global warming is affecting weather in the United States (%)	-	-	-	-	-	-	-	28	27
Global warming is not affecting weather in the United States (%)	-	-	-	-	-	-	-	4	4
Global warming isn't happening (%)	-	-	-	-	-	-	-	5	6
Don't know (%)	-	-	-	-	-	-	-	9	8
Prefer not to answer (%)	-	-	-	-	-	-	-	2	2
No response (%)	-	-	-	-	-	-	-	1	1
Not applicable (%)	-	-	-	-	-	-	-	51	51

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Global warming is affecting weather in the United States (%)	57	-	-	-	60	59	59	64	61
Global warming is not affecting weather in the United States (%)	8	-	-	-	5	7	5	6	5
Global warming isn't happening (%)	10	-	-	-	9	9	10	8	9
Don't know (%)	19	-	-	-	20	21	21	18	18
Prefer not to answer (%)	5	-	-	-	5	4	5	5	6
No response (%)	1	-	-	-	0	0	1	0	1
Not applicable (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Global warming is affecting weather in the United States (%)	65	60	64	66	63	61	70	63
Global warming is not affecting weather in the United States (%)	6	7	6	5	8	7	6	9
Global warming isn't happening (%)	8	11	9	7	8	9	7	6
Don't know (%)	15	18	16	17	18	16	13	16
Prefer not to answer (%)	4	3	4	4	2	5	4	5
No response (%)	2	1	1	0	1	1	1	0
Not applicable (%)	-	-	-	-	-	-	-	-

6.1b How much do you think global warming is affecting weather in the United States?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	24	20
Some (%)	-	-	-	-	-	-	-	24	25
A little (%)	-	-	-	-	-	-	-	10	10
Don't know (%)	-	-	-	-	-	-	-	6	6
Prefer not to answer (%)	-	-	-	-	-	-	-	0	0
No response (%)	-	-	-	-	-	-	-	1	0
Not applicable (%)	-	-	-	-	-	-	-	35	39

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	22	-	-	-	24	24	25	33	29
Some (%)	25	-	-	-	28	26	27	23	25
A little (%)	8	-	-	-	7	8	5	6	6
Don't know (%)	1	-	-	-	1	2	1	1	1
Prefer not to answer (%)	-	-	-	-	-	-	0	0	0
No response (%)	0	-	-	-	0	0	0	0	-
Not applicable (%)	43	-	-	-	40	41	41	36	39

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	32	28	31	33	35	31	43	32
Some (%)	26	22	25	25	21	23	22	24
A little (%)	5	7	6	6	6	5	4	5
Don't know (%)	1	2	2	1	0	2	0	1
Prefer not to answer (%)	-	0	0	0	-	0	0	-
No response (%)	1	0	0	0	-	0	0	0
Not applicable (%)	35	40	36	34	37	39	30	37

6.2 How much do you think global warming is affecting the following in the United States?**Extreme heat**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	49	40
Some (%)	-	-	-	-	-	-	19	22
A little (%)	-	-	-	-	-	-	9	13
Not at all (%)	-	-	-	-	-	-	10	13
Don't know (%)	-	-	-	-	-	-	10	11
No response (%)	-	-	-	-	-	-	2	1

How much do you think global warming is affecting the following in the United States?**Flooding**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	42	31
Some (%)	-	-	-	-	-	-	22	26
A little (%)	-	-	-	-	-	-	8	14
Not at all (%)	-	-	-	-	-	-	12	15
Don't know (%)	-	-	-	-	-	-	13	14
No response (%)	-	-	-	-	-	-	2	1

How much do you think global warming is affecting the following in the United States?**Wildfires**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	50	42
Some (%)	-	-	-	-	-	-	17	19
A little (%)	-	-	-	-	-	-	9	11
Not at all (%)	-	-	-	-	-	-	11	15
Don't know (%)	-	-	-	-	-	-	11	11
No response (%)	-	-	-	-	-	-	2	1

How much do you think global warming is affecting the following in the United States?**Hurricanes**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	42	32
Some (%)	-	-	-	-	-	-	21	22
A little (%)	-	-	-	-	-	-	10	15
Not at all (%)	-	-	-	-	-	-	12	15
Don't know (%)	-	-	-	-	-	-	14	15
No response (%)	-	-	-	-	-	-	1	1

How much do you think global warming is affecting the following in the United States?**Droughts**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	45	38
Some (%)	-	-	-	-	-	-	21	23
A little (%)	-	-	-	-	-	-	10	12
Not at all (%)	-	-	-	-	-	-	10	13
Don't know (%)	-	-	-	-	-	-	13	13
No response (%)	-	-	-	-	-	-	1	1

How much do you think global warming is affecting the following in the United States?**Water shortages**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	38	32
Some (%)	-	-	-	-	-	-	24	24
A little (%)	-	-	-	-	-	-	11	14
Not at all (%)	-	-	-	-	-	-	11	15
Don't know (%)	-	-	-	-	-	-	15	14
No response (%)	-	-	-	-	-	-	2	1

How much do you think global warming is affecting the following in the United States?**Reduced snow pack**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	36	33
Some (%)	-	-	-	-	-	-	22	20
A little (%)	-	-	-	-	-	-	11	14
Not at all (%)	-	-	-	-	-	-	11	12
Don't know (%)	-	-	-	-	-	-	19	19
No response (%)	-	-	-	-	-	-	1	1

How much do you think global warming is affecting the following in the United States?**Rising sea levels**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	43	37
Some (%)	-	-	-	-	-	-	20	20
A little (%)	-	-	-	-	-	-	11	15
Not at all (%)	-	-	-	-	-	-	11	13
Don't know (%)	-	-	-	-	-	-	14	14
No response (%)	-	-	-	-	-	-	1	1

How much do you think global warming is affecting the following in the United States?**Agricultural pests and diseases**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	28	21
Some (%)	-	-	-	-	-	-	27	27
A little (%)	-	-	-	-	-	-	12	18
Not at all (%)	-	-	-	-	-	-	13	16
Don't know (%)	-	-	-	-	-	-	19	18
No response (%)	-	-	-	-	-	-	2	1

How much do you think global warming is affecting the following in the United States?**Tornados**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	32	29
Some (%)	-	-	-	-	-	-	24	25
A little (%)	-	-	-	-	-	-	11	14
Not at all (%)	-	-	-	-	-	-	14	15
Don't know (%)	-	-	-	-	-	-	17	16
No response (%)	-	-	-	-	-	-	2	1

How much do you think global warming is affecting the following in the United States?**Air pollution**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	39	29
Some (%)	-	-	-	-	-	-	22	26
A little (%)	-	-	-	-	-	-	13	15
Not at all (%)	-	-	-	-	-	-	12	15
Don't know (%)	-	-	-	-	-	-	13	14
No response (%)	-	-	-	-	-	-	2	1

How much do you think global warming is affecting the following in the United States?**Water pollution**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	29	23
Some (%)	-	-	-	-	-	-	24	25
A little (%)	-	-	-	-	-	-	12	14
Not at all (%)	-	-	-	-	-	-	14	18
Don't know (%)	-	-	-	-	-	-	18	18
No response (%)	-	-	-	-	-	-	2	1

How much do you think global warming is affecting the following in the United States?**Electricity power outages**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
A lot (%)	-	-	-	-	-	-	28	19
Some (%)	-	-	-	-	-	-	27	27
A little (%)	-	-	-	-	-	-	11	16
Not at all (%)	-	-	-	-	-	-	16	21
Don't know (%)	-	-	-	-	-	-	17	17
No response (%)	-	-	-	-	-	-	2	1

6.3 How much do you agree or disagree with the following statements?

Wildfires have increased around the world over the past few years as a result of global warming.

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Strongly agree (%)	-	-	-	-	-	-	-	-	-
Somewhat agree (%)	-	-	-	-	-	-	-	-	-
Somewhat disagree (%)	-	-	-	-	-	-	-	-	-
Strongly disagree (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Strongly agree (%)	-	-	-	-	-	-	-	-	-
Somewhat agree (%)	-	-	-	-	-	-	-	-	-
Somewhat disagree (%)	-	-	-	-	-	-	-	-	-
Strongly disagree (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Strongly agree (%)	-	-	-	28	33	29	38	31
Somewhat agree (%)	-	-	-	38	32	36	33	34
Somewhat disagree (%)	-	-	-	18	18	17	14	18
Strongly disagree (%)	-	-	-	15	16	18	15	17
No response (%)	-	-	-	0	-	1	0	0

6.4 In your opinion, over the next 10 years how much risk does extreme weather pose to your community?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
High risk (%)	-	-	-	-	-	-	-	-	-
Moderate risk (%)	-	-	-	-	-	-	-	-	-
Low risk (%)	-	-	-	-	-	-	-	-	-
No risk (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
High risk (%)	-	-	-	-	10	-	-	15	-
Moderate risk (%)	-	-	-	-	40	-	-	42	-
Low risk (%)	-	-	-	-	33	-	-	30	-
No risk (%)	-	-	-	-	5	-	-	5	-
Don't know (%)	-	-	-	-	11	-	-	8	-
No response (%)	-	-	-	-	0	-	-	0	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
High risk (%)	-	-	18	16	13	14	20	19
Moderate risk (%)	-	-	38	40	42	41	43	37
Low risk (%)	-	-	31	33	34	31	26	31
No risk (%)	-	-	7	5	5	7	5	6
Don't know (%)	-	-	7	5	6	7	6	7
No response (%)	-	-	0	0	-	0	0	0

6.5 How worried are you that the following might harm your local area?

Extreme heat

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	13
Moderately worried (%)	-	-	-	-	-	-	-	-	21
A little worried (%)	-	-	-	-	-	-	-	-	29
Not at all worried (%)	-	-	-	-	-	-	-	-	36
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	11	13	14	12	11	13	22	21
Moderately worried (%)	21	23	22	22	21	23	25	23
A little worried (%)	29	34	28	32	33	32	29	26
Not at all worried (%)	39	30	36	33	35	31	24	28
No response (%)	-	0	0	0	0	0	0	1

How worried are you that the following might harm your local area?**Flooding**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	7
Moderately worried (%)	-	-	-	-	-	-	-	-	22
A little worried (%)	-	-	-	-	-	-	-	-	31
Not at all worried (%)	-	-	-	-	-	-	-	-	39
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	6	9	9	6	7	6	9	11
Moderately worried (%)	17	19	19	17	12	15	18	18
A little worried (%)	38	32	30	37	33	35	35	33
Not at all worried (%)	39	40	41	40	47	44	38	38
No response (%)	0	0	1	1	1	0	0	0

How worried are you that the following might harm your local area?**Wildfires**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	9
Moderately worried (%)	-	-	-	-	-	-	-	-	12
A little worried (%)	-	-	-	-	-	-	-	-	21
Not at all worried (%)	-	-	-	-	-	-	-	-	57
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	9	9	10	9	10	11	14	16
Moderately worried (%)	13	14	13	12	12	14	13	17
A little worried (%)	20	25	20	25	24	23	25	28
Not at all worried (%)	59	51	56	52	54	52	48	38
No response (%)	0	0	0	1	0	0	1	1

How worried are you that the following might harm your local area?**Hurricanes**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	9
Moderately worried (%)	-	-	-	-	-	-	-	-	12
A little worried (%)	-	-	-	-	-	-	-	-	17
Not at all worried (%)	-	-	-	-	-	-	-	-	62
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	8	9	9	8	8	7	10	12
Moderately worried (%)	12	14	13	13	12	9	14	14
A little worried (%)	20	16	18	20	19	19	23	20
Not at all worried (%)	59	60	59	58	61	64	53	53
No response (%)	0	0	1	1	0	0	1	0

How worried are you that the following might harm your local area?**Droughts**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	11
Moderately worried (%)	-	-	-	-	-	-	-	-	19
A little worried (%)	-	-	-	-	-	-	-	-	31
Not at all worried (%)	-	-	-	-	-	-	-	-	39
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	10	10	11	9	10	9	16	19
Moderately worried (%)	17	21	20	17	18	19	19	21
A little worried (%)	31	34	30	39	36	33	33	29
Not at all worried (%)	42	35	39	35	36	39	32	31
No response (%)	0	0	1	0	0	0	0	0

How worried are you that the following might harm your local area?**Water shortages**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	9
Moderately worried (%)	-	-	-	-	-	-	-	-	17
A little worried (%)	-	-	-	-	-	-	-	-	25
Not at all worried (%)	-	-	-	-	-	-	-	-	48
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	8	10	9	10	9	9	15	20
Moderately worried (%)	14	17	18	15	15	17	17	21
A little worried (%)	29	31	27	31	30	30	32	27
Not at all worried (%)	49	41	45	44	45	43	36	32
No response (%)	0	0	0	0	0	0	0	0

How worried are you that the following might harm your local area?**Reduced snow pack**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	5
Moderately worried (%)	-	-	-	-	-	-	-	-	10
A little worried (%)	-	-	-	-	-	-	-	-	16
Not at all worried (%)	-	-	-	-	-	-	-	-	68
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	5	4	5	5	6	7	10	11
Moderately worried (%)	11	10	12	10	12	11	14	15
A little worried (%)	21	19	20	23	18	20	23	18
Not at all worried (%)	63	66	62	62	64	61	53	55
No response (%)	0	0	1	0	0	1	0	1

How worried are you that the following might harm your local area?**Rising sea levels**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	-	-	-	-	6	6	8	13
Moderately worried (%)	-	-	-	-	10	11	14	14
A little worried (%)	-	-	-	-	22	24	25	22
Not at all worried (%)	-	-	-	-	61	59	52	51
No response (%)	-	-	-	-	0	0	1	1

How worried are you that the following might harm your local area?**Agricultural pests and diseases**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	-	-	-	-	7	8	9	14
Moderately worried (%)	-	-	-	-	16	17	20	25
A little worried (%)	-	-	-	-	40	40	37	31
Not at all worried (%)	-	-	-	-	36	35	33	30
No response (%)	-	-	-	-	0	0	0	0

How worried are you that the following might harm your local area?**Tornados**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	-	-	-	-	7	6	6	13
Moderately worried (%)	-	-	-	-	16	15	19	20
A little worried (%)	-	-	-	-	30	32	33	27
Not at all worried (%)	-	-	-	-	46	47	41	40
No response (%)	-	-	-	-	0	0	0	0

How worried are you that the following might harm your local area?**Air pollution**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	-	-	-	-	12	12	17	18
Moderately worried (%)	-	-	-	-	24	23	22	31
A little worried (%)	-	-	-	-	37	36	37	25
Not at all worried (%)	-	-	-	-	26	28	23	26
No response (%)	-	-	-	-	0	1	0	1

How worried are you that the following might harm your local area?**Water pollution**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	-	-	-	-	12	14	15	20
Moderately worried (%)	-	-	-	-	21	23	24	27
A little worried (%)	-	-	-	-	41	36	34	30
Not at all worried (%)	-	-	-	-	26	26	27	23
No response (%)	-	-	-	-	0	0	0	1

How worried are you that the following might harm your local area?**Electricity power outages**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018
Very worried (%)	-	-	-	-	-	-	13	18
Moderately worried (%)	-	-	-	-	-	-	24	27
A little worried (%)	-	-	-	-	-	-	37	34
Not at all worried (%)	-	-	-	-	-	-	25	22
No response (%)	-	-	-	-	-	-	0	0

Appendix II: Survey Method

The data in this report are based on a nationally representative survey of 1,018 American adults, aged 18 and older. The survey was conducted April 13 – May 2, 2022. All questionnaires were self-administered by respondents in a web-based environment. The median completion time for the survey was 27 minutes.

The sample was drawn from the Ipsos (formerly GfK) KnowledgePanel®, an online panel of members drawn using probability sampling methods. Prospective members are recruited using a combination of random digit dial and address-based sampling techniques that cover virtually all (non-institutional) resident phone numbers and addresses in the United States. Those contacted who would choose to join the panel but do not have access to the Internet are loaned computers and given Internet access so they may participate.

The sample therefore includes a representative cross-section of American adults—irrespective of whether they have Internet access, use only a cell phone, etc. Key demographic variables were weighted, post survey, to match US Census Bureau norms.

From November 2008 to December 2018, no KnowledgePanel® member participated in more than one *Climate Change in the American Mind* (CCAM) survey. Beginning with the April 2019 survey, panel members who have participated in CCAM surveys in the past, excluding the most recent two surveys, may be randomly selected for participation. In the current survey, 217 respondents participated in a previous CCAM survey.

The survey instrument was designed by Anthony Leiserowitz, Seth Rosenthal, Jennifer Carman, Matthew Goldberg, Karine Lacroix, and Jennifer Marlon of Yale University, and Edward Maibach, John Kotcher, Teresa Myers, and Eryn Campbell of George Mason University. All graphics (charts and tables) were designed and created by Liz Neyens and Jennifer Marlon of Yale University.

Sample details and margins of error

All samples are subject to some degree of sampling error – that is, statistical results obtained from a sample can be expected to differ somewhat from results that would be obtained if every member of the target population were interviewed. Average margins of error for each wave, at the 95% confidence level, are plus or minus 3 percentage points except where noted.

- April 2022: Fielded April 13 - May 2 ($n = 1,018$)
- September 2021: Fielded September 10 – 20 ($n = 1,006$)
- March 2021: Fielded March 18 – 29 ($n = 1,037$)
- December 2020: Fielded December 3 – 16 ($n = 1,036$)
- April 2020: Fielded April 7 – 17 ($n = 1,029$)
- November 2019: Fielded November 8 – November 20 ($n = 1,303$)
- April 2019: Fielded March 29 – April 8 ($n = 1,291$)
- December 2018: Fielded November 28 – December 11 ($n = 1,114$)
- March 2018: Fielded March 7 – March 24 ($n = 1,278$)
- October 2017: Fielded October 20 – November 1 ($n = 1,304$)
- May 2017: Fielded May 18 – June 6 ($n = 1,266$)
- November 2016: Fielded November 18 – December 1 ($n = 1,226$)
- March 2016: Fielded March 18 – 31 ($n = 1,204$)
- October 2015: Fielded September 30 – October 19 ($n = 1,330$)
- March 2015: Fielded February 27 – March 10 ($n = 1,263$)
- October 2014: Fielded October 17 – 28 ($n = 1,275$)
- April 2014: Fielded April 15 – 22 ($n = 1,013$)
- November 2013: Fielded November 23 – December 9 ($n = 830$)
- April 2013: Fielded April 10 – 15 ($n = 1,045$)
- September 2012: Fielded August 31 – September 12 ($n = 1,061$)
- March 2012: Fielded March 12 – March 30 ($n = 1,008$)
- November 2011: Fielded October 20 – November 16 ($n = 1,000$)
- May 2011: Fielded April 23 – May 12 ($n = 1,010$)
- June 2010: Fielded May 14 – June 1 ($n = 1,024$)
- January 2010: Fielded December 24, 2009 – January 3, 2010 ($n = 1,001$).
- November 2008: Fielded October 7 – November 12 ($n = 2,164$).

– Data were collected over two periods: from October 7 – October 20 and from October 24 – November 12. Margin of error plus or minus 2 percentage points.

Rounding error and tabulation

In data tables, bases specified are unweighted, but percentages are weighted to match national population parameters.

For tabulation purposes, percentage points are rounded to the nearest whole number. As a result, percentages in a given chart may total slightly higher or lower than 100%. Summed response categories (e.g., “strongly agree” + “somewhat agree”) are rounded after sums are calculated. For example, in some cases, the sum of 25% + 25% might be reported as 51% (e.g., 25.3% + 25.3% = 50.6%, which, after rounding, would be reported as 25% + 25% = 51%).

Appendix III: Sample Demographics

	<i>n</i> (unweighted)	% (weighted)
Total	1,018	100
Female	524	51
Male	494	49
Generation Z (1997 -)	53	11
Millennials (1981 - 1996)	217	28
Generation X (1965 - 1980)	264	26
Baby Boomers (1946 - 1964)	397	29
Silent (1928 - 1945)	87	6
Less than high school	63	9
High school	247	28
Some college	284	27
Bachelor's degree or higher	424	35
<\$25K	116	13
\$25K-<\$50K	163	17
\$50K-<\$75K	175	16
\$75K-<\$100K	139	13
\$100K-<\$125K	97	9
\$125K+	327	32
White, Non-Hispanic	721	63
Black, Non-Hispanic	94	12
Hispanic	122	17
2+ Races, Non-Hispanic	33	1
Other, Non-Hispanic	48	7
Northeast	182	17
Midwest	232	21
South	369	38
West	235	24

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