



CLIMATE CHANGE IN THE AMERICAN MIND

April 2020



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 (climatecommunication.yale.edu) and the George Mason University Center for Climate Change Communication (climatechangecommunication.org). Interview dates: April 7 – 17, 2020. Interviews: 1,029 adults in the U.S. (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, and the Grantham Foundation.

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1 Executive Summary

This survey was fielded from April 7 – 17, 2020, during which time a large percentage of the U.S. population was sheltering at home due to the novel coronavirus (COVID-19) epidemic. Social science theory and prior research suggest that people have a “finite pool of worry,”¹ such that worrying about one issue will decrease concern about other issues. In a national survey on American Responses to COVID-19, conducted separately from this survey, we found that most American adults were quite worried about COVID-19 in April, and justifiably so given the large number of deaths and serious illnesses it was causing at the time. Given the finite pool of worry hypothesis, we were prepared to find dramatically reduced levels of concern about climate change in this survey. Although we did find a slight decline in the proportion of Americans who report being “very worried” about climate change since our previous survey in November 2019, overall, the results of the current survey are remarkably consistent with our previous survey, with several indicators of public engagement actually reaching record levels. This is not to say that the finite pool of worry hypothesis is correct or incorrect, as we did not formally test it. But what is clear is that public engagement in the issue of climate change remains at or near historic high levels. Specifically, we found:

- A record-tying 73% of Americans think global warming is happening. Only one in ten Americans (10%) think global warming is not happening. Americans who think global warming is happening outnumber those who think it isn’t by a ratio of about 7 to 1.
- A record-high 54% of Americans are “extremely” or “very” sure global warming is happening. By contrast, only 6% are “extremely” or “very” sure global warming is not happening.
- A record-tying 62% of Americans understand that global warming is mostly human-caused. By contrast, about three in ten (29%) think it is due mostly to natural changes in the environment.
- More than half of Americans (56%) understand that most scientists think global warming is happening. However, only about one in five (21%) 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).
- Two in three Americans (66%) say they are at least “somewhat worried” about global warming. One in four (26%) are “very worried” about it.
- About six in ten Americans (63%) say they feel at least “moderately interested” in global warming. Four in ten or more say they feel “disgusted” (46%), “hopeful” (45%), “resilient” (41%), “angry” (41%), “outraged” (41%), or “helpless” (40%).
- More than four in ten Americans think people in the United States are being harmed by global warming “right now” (45%) and about the same percentage say they have personally experienced the effects of global warming (44%).
- More than four in ten Americans (43%) think they will be harmed by global warming, while more think their family (46%) and people in their community (49%) will be harmed. Half or more Americans think global warming will harm people in the U.S. (62%), people in developing countries (66%), the world’s poor (67%), future generations of people (73%), and plant and animal species (73%).
- Many Americans think a variety of health harms, both physical and psychological, will become more common in their community as a result of global warming over the next 10 years, if nothing is done to address it.
- Two in three Americans (66%) say the issue of global warming is either “extremely,” “very,” or “somewhat” important to them personally, while one in three (33%) say it is either “not too” or “not at all” personally important.
- More than six in ten Americans (64%) say they “rarely” or “never” discuss global warming with family and friends, while 36% say they do so “occasionally” or “often.”
- About half of Americans (47%) say they hear about global warming in the media at least once a month. Fewer (22%) say they hear people they know talk about global warming at least once a month.

¹Weber, E.U. (2006). Experience-based and description-based perceptions of long-term risk: Why global warming does not scare us (yet). *Climatic Change*, 77, 103–120. <https://doi.org/10.1007/s10584-006-9060-3>

- Fewer than half of Americans perceive a social norm in which their friends and family expect them to take action on global warming. Forty-seven percent think it is at least “moderately” important to their family and friends that they take action (an injunctive norm), and 44% say their family and friends make at least “a moderate amount of effort” to reduce global warming (a descriptive norm).
- Two in three Americans (66%) feel a personal sense of responsibility to help reduce global warming.
- Few Americans (11%) agree with the statement that it is too late to do anything about global warming, while about two in three (68%) disagree that it is too late.
- Majorities of Americans think global warming is an environmental issue (82%) or a scientific issue (74%). Half or more think global warming is an agricultural (67%), severe weather (64%), economic (64%), humanitarian (61%), health (60%), political (60%), or moral (50%) issue.
- Two in three Americans (66%) think global warming is affecting weather in the United States, and one in three think weather is being affected “a lot” (33%).
- A majority of Americans are worried about harm from extreme events in their local area including extreme heat (66%), droughts (65%), flooding (60%), and water shortages (56%).
- Majorities of Americans think state and local governments should place a “high priority” on protecting agriculture, public water supplies, and people’s health (all 55%) from the effects of global warming over the next ten years.
- Six in ten Americans (60%) feel at least “fairly well informed” about global warming, but only one in ten Americans (10%) feel “very well informed.”
- Majorities of Americans are at least “moderately” interested in news stories about a variety of topics related to global warming.

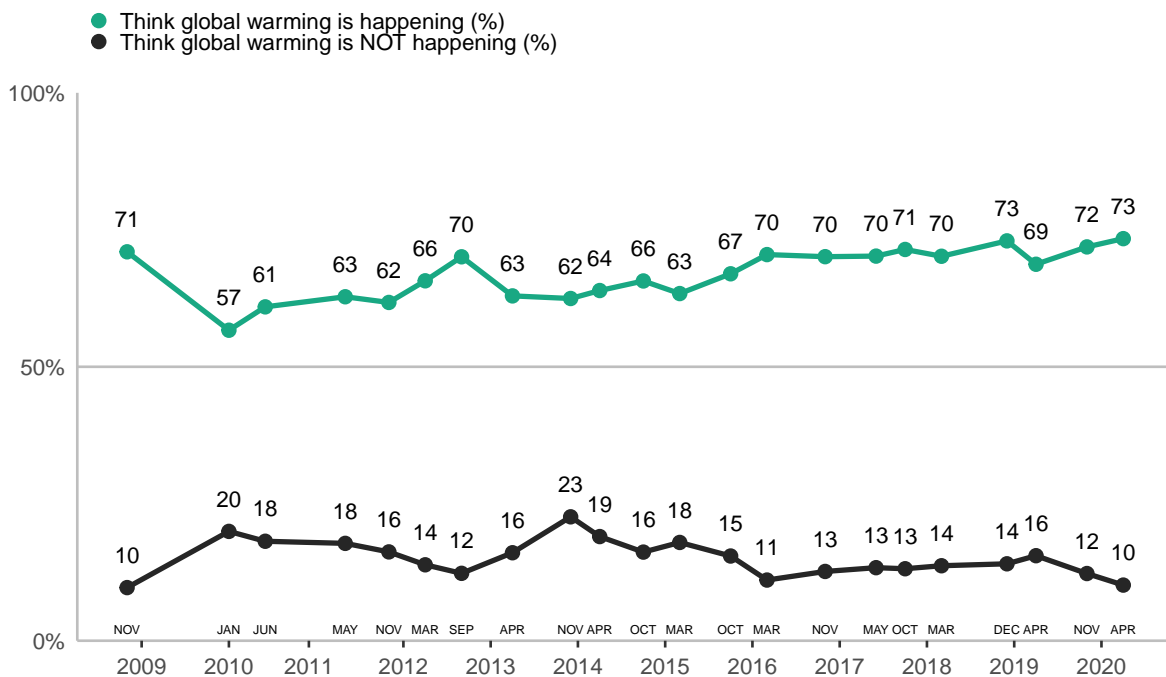
2 Global Warming Beliefs

2.1 About seven in ten 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 about 7 to 1.

About seven in ten Americans (73%) think global warming is happening. By contrast, only one in ten Americans (10%) think global warming is not happening. Over the last five years (since our March 2015 survey), the percentage of Americans who think global warming is happening has increased by 10 percentage points.

About seven in ten Americans think global warming is happening



Do you think global warming is happening?
April 2020



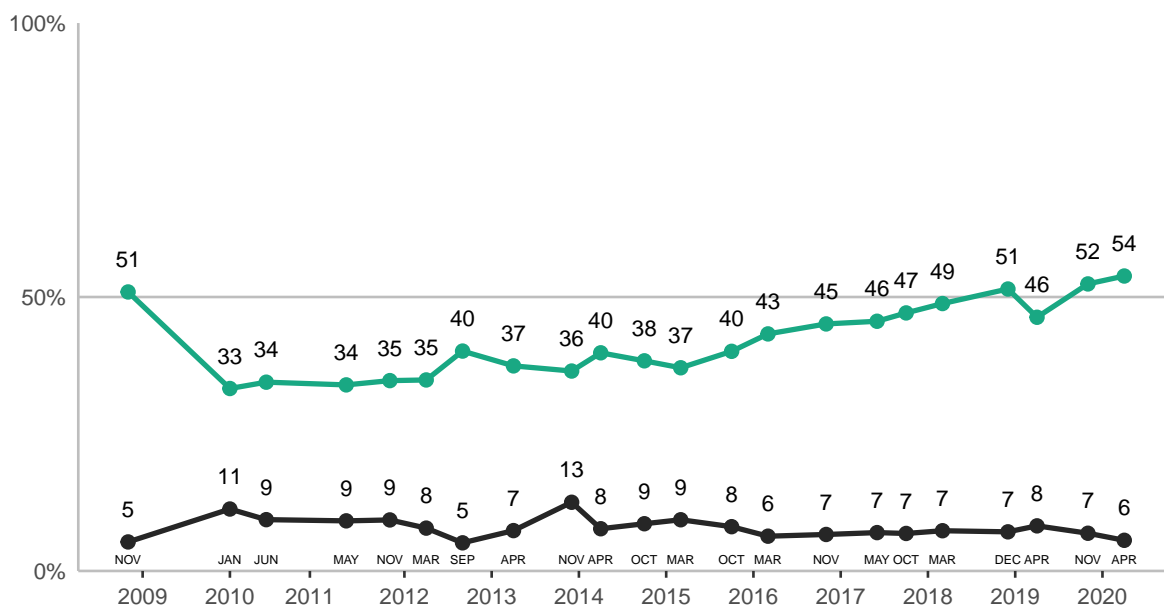
2.2 More than half of Americans are “extremely” or “very” sure global warming is happening. Fewer than one in ten are as sure it isn’t happening.

Fifty-four percent of Americans are either “extremely” or “very” sure global warming is happening, the highest level since our surveys began in 2008. Far fewer (6%) are “extremely” or “very” sure global warming is not happening.

Over the last five years (since our March 2015 survey), the percentage of Americans who are sure global warming is happening has increased by 17 percentage points.

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

- Extremely/Very sure global warming is happening (%)
- Extremely/Very sure global warming is NOT happening (%)



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

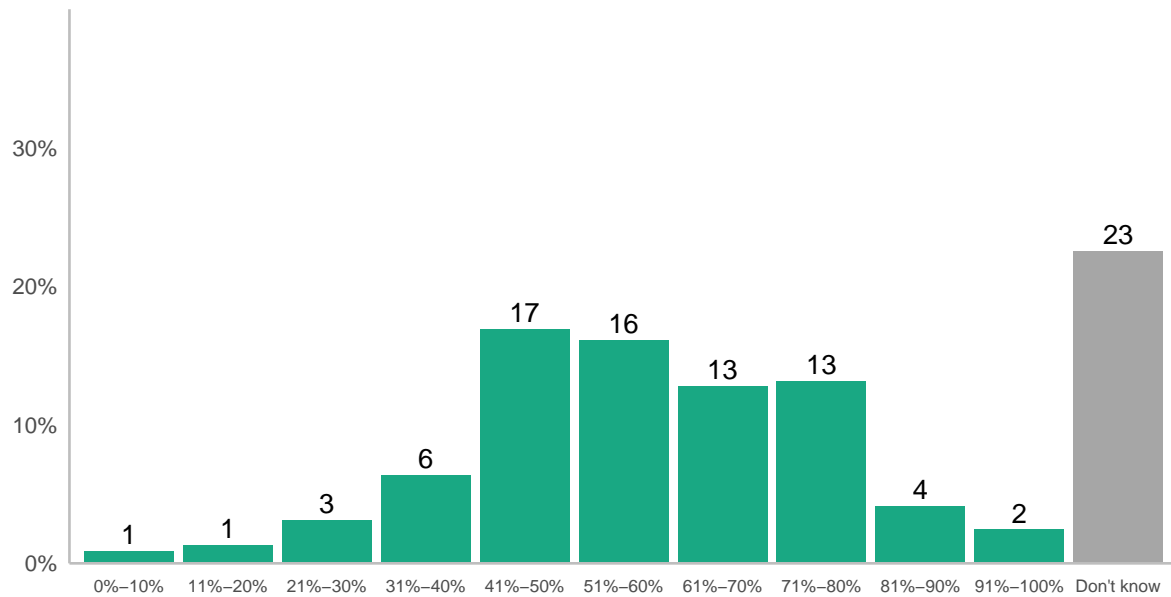
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2.3 Most Americans underestimate the percentage of U.S. adults who think global warming is happening.

About six in ten Americans (59%) estimate that fewer Americans think global warming is happening than the 73% who actually do think so (see Section 2.1; Data Table, p. 37). An additional 23% say they “don’t know.”

Most Americans underestimate the percentage of U.S. adults who think global warming is happening



To the best of your knowledge, what percentage of adults in the United States (18 years or older) think that 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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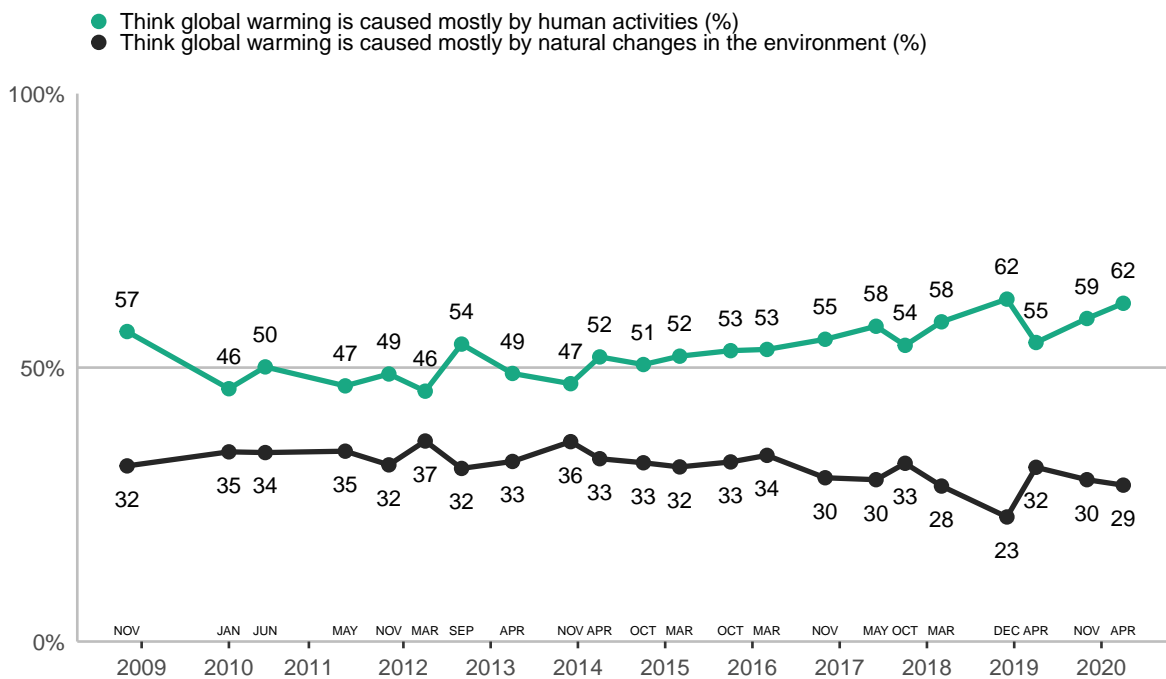


2.4 About six in ten Americans think global warming is mostly human-caused.

The 2018 U.S. National Climate Assessment (written and reviewed by hundreds of climate experts over the course of four years) states: “Greenhouse gas emissions from human activities are the only factors that can account for the observed warming over the last century; there are no credible alternative human or natural explanations supported by the observational evidence” (pp. 39-40).²

About six in ten Americans (62%) understand that global warming is mostly human-caused, an increase of ten percentage points over the past five years (since March 2015). By contrast, three in ten (29%) think it is due mostly to natural changes in the environment.

About six in ten Americans think global warming is mostly human-caused



Assuming global warming is happening, do you think it is...
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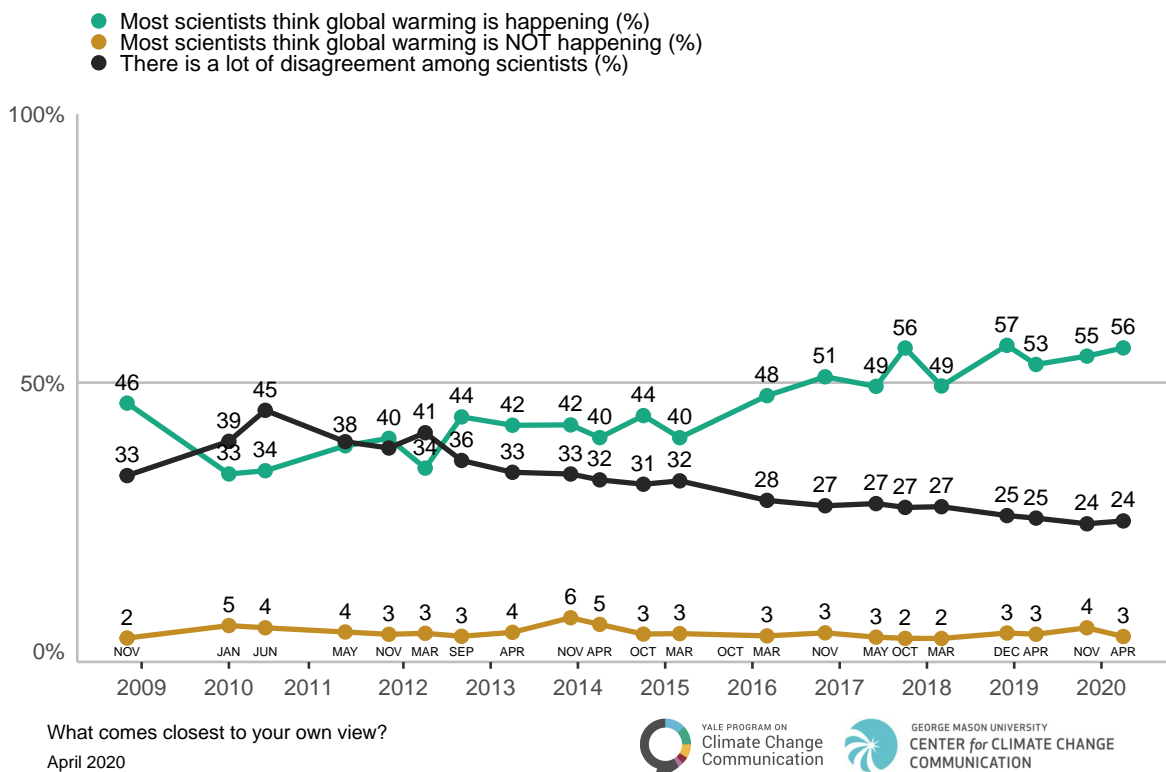
²<http://nca2018.globalchange.gov>

2.5 More than half of Americans understand that most scientists think global warming is happening.

A review by John Cook and colleagues³ 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. The most rigorous of these studies found that 97% of climate scientists are convinced that global warming is happening and human-caused.

More than half of Americans (56%) understand that most scientists think global warming is happening, an increase of 16 percentage points over the past five years (since March 2015). By contrast, about one in four Americans (24%) think there is a lot of disagreement among scientists about whether or not global warming is happening, equaling the lowest level since our surveys began. Very few Americans (3%) believe that most scientists think global warming is not happening (see Data Tables, p. 39).

More than half of Americans understand that most scientists think global warming is happening



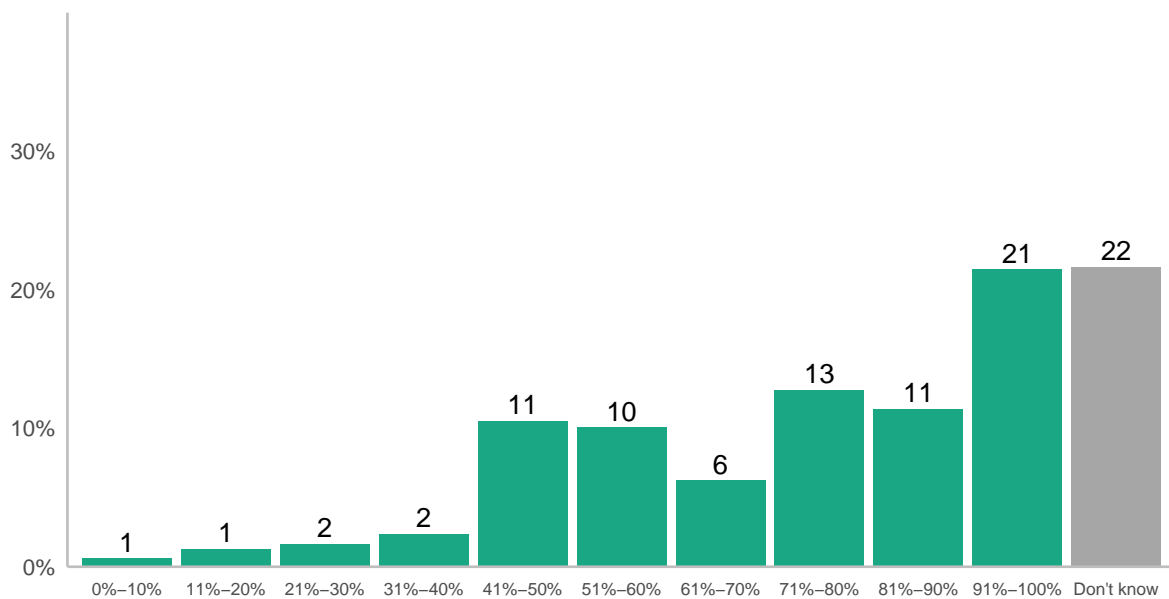
³Cook, J., Oreskes, N., Doran, P. T., Anderegg, W. R. I., Verheggen, B., Maibach, E. W., Carlton, J. S., Lewandowsky, S., Skuce, A. G., Green, S. A., Nuccitelli, D., Jacobs, P., Richardson, M., Winkler, B., Painting, R., & Rice, K. (2016). Consensus on consensus: A synthesis of consensus estimates on human-caused global warming. *Environmental Research Letters* 11(4). doi:10.1088/1748-9326/11/4/048002

2.6 About 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 about one in five Americans (21%) understand that nearly all climate scientists (more than 90%) are convinced that human-caused global warming is happening. However, that number has increased by 12 percentage points over the last five years (since March 2015; see Data Tables, p. 40).

About one in five Americans (22%) say they “don’t know” what percentage of climate scientists think human-caused global warming is happening.⁴

About 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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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

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.

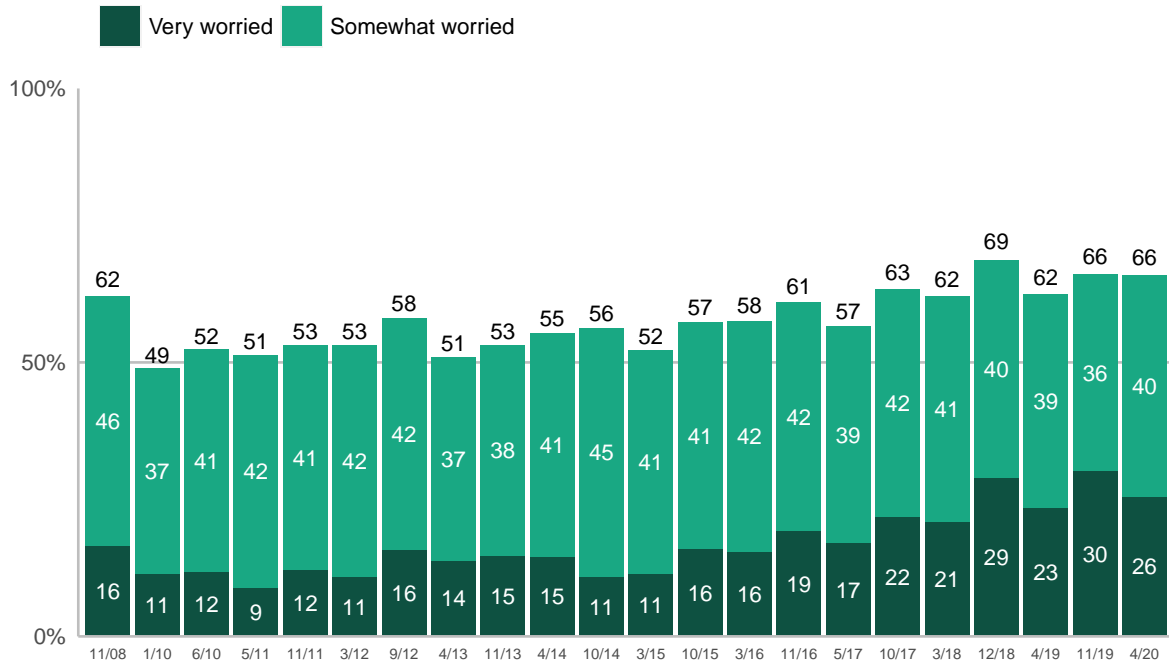
⁵ For more information, see: van der Linden, S. L., Leiserowitz, A. A., Feinberg, G. D., & Maibach, E. W. (2015). The scientific consensus on climate change as a gateway belief: Experimental evidence. *PLoS ONE*, 10(2). <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.01118489>

3 Emotional Responses to Global Warming

3.1 Two in three Americans are at least “somewhat worried” about global warming.

Two in three Americans (66%) say they are at least “somewhat worried” about global warming, an increase of 14 percentage points over the past five years (since March 2015). About one in four Americans (26%) are “very worried,” more than double the percentage five years ago (in our March 2015 survey).

Two in three Americans are at least "somewhat worried" about global warming



How worried are you about global warming?
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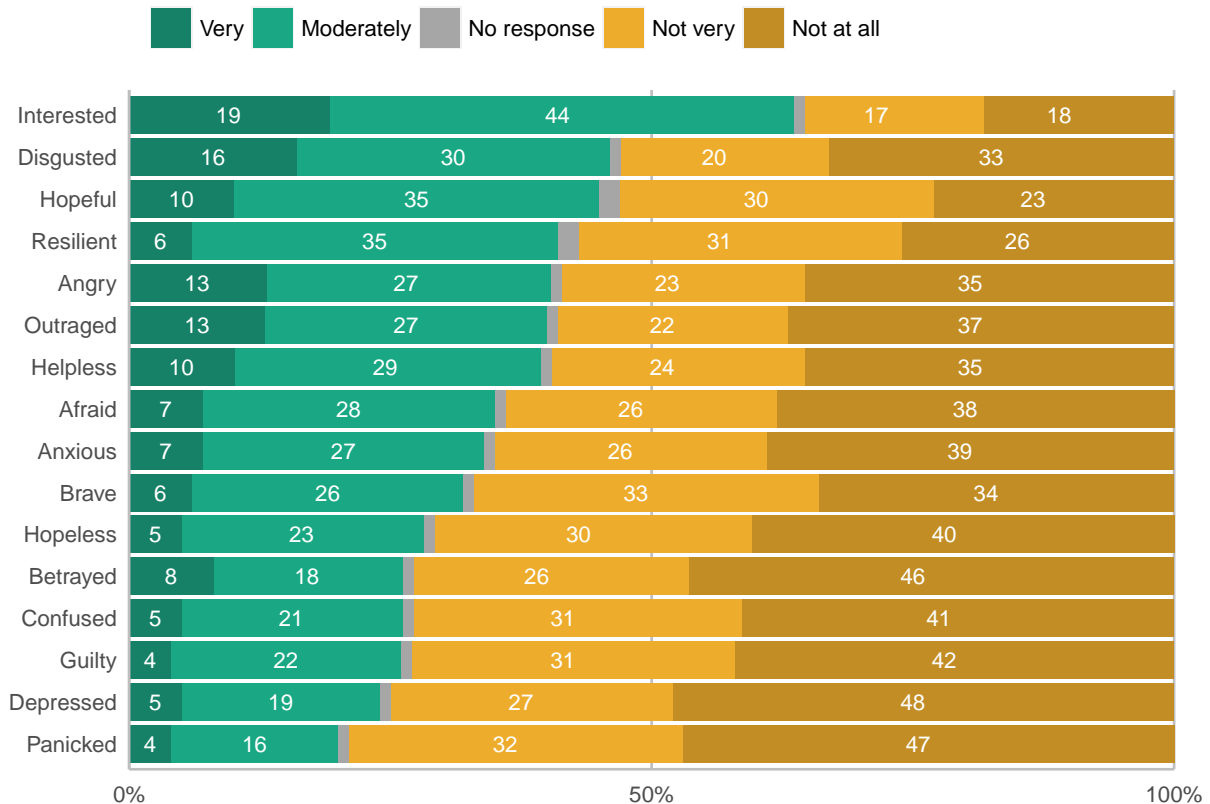


3.2 About six in ten Americans are “interested” in global warming.

When asked how strongly they feel various emotions when thinking about global warming, about six in ten Americans say they feel “very” or “moderately” “interested” in it (63%). Four in ten or more say they feel “disgusted” (46%), “hopeful” (45%), “resilient” (41%), “angry” (41%), “outraged” (41%), or “helpless” (40%).

Fewer Americans feel “afraid” (35%), “anxious” (34%), “brave” (32%), “hopeless” (29%), “betrayed” (27%), “confused” (27%), “guilty” (26%), “depressed” (24%), or “panicked” (19%).

About six in ten Americans are "interested" in global warming



0% 50% 100%
 How strongly do you feel each of the following emotions when you think about the issue of global warming?
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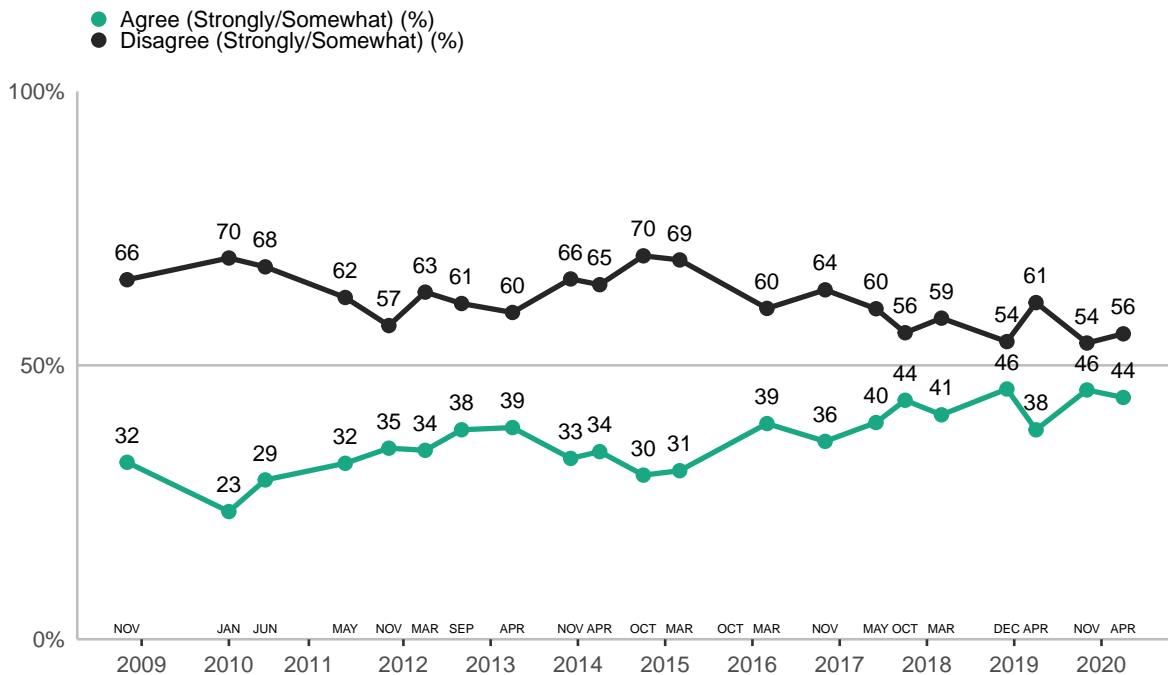
4 Perceived Risks of Global Warming

4.1 More than four in ten Americans say they have personally experienced the effects of global warming.

More than four in ten Americans (44%) say they have personally experienced the effects of global warming, while more than half (56%) say they have not.

The percentage of Americans who say they have personally experienced the effects of global warming has increased by 13 percentage points over the past five years (since March 2015).

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



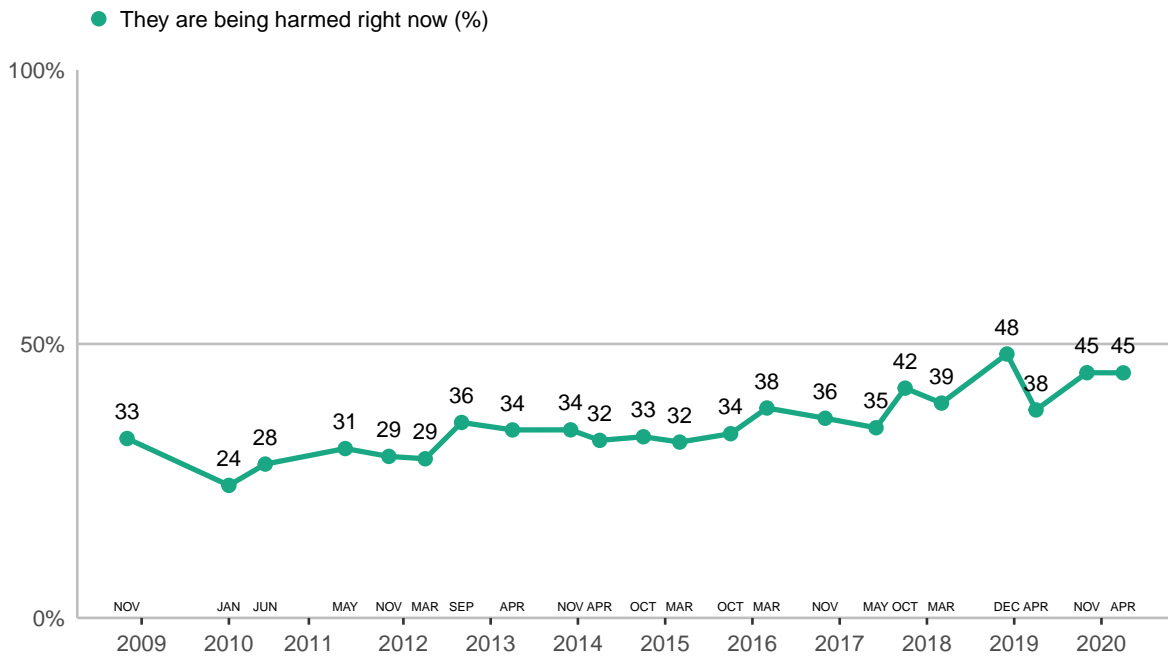
How much do you agree or disagree with the following statement?
 I have personally experienced the effects of global warming.
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4.2 More than four in ten Americans think people in the U.S. are being harmed “right now” by global warming.

More than four in ten Americans (45%) think people in the U.S. are being harmed by global warming “right now,” an increase of 13 percentage points over the last five years (since March 2015).

More than four in ten 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?

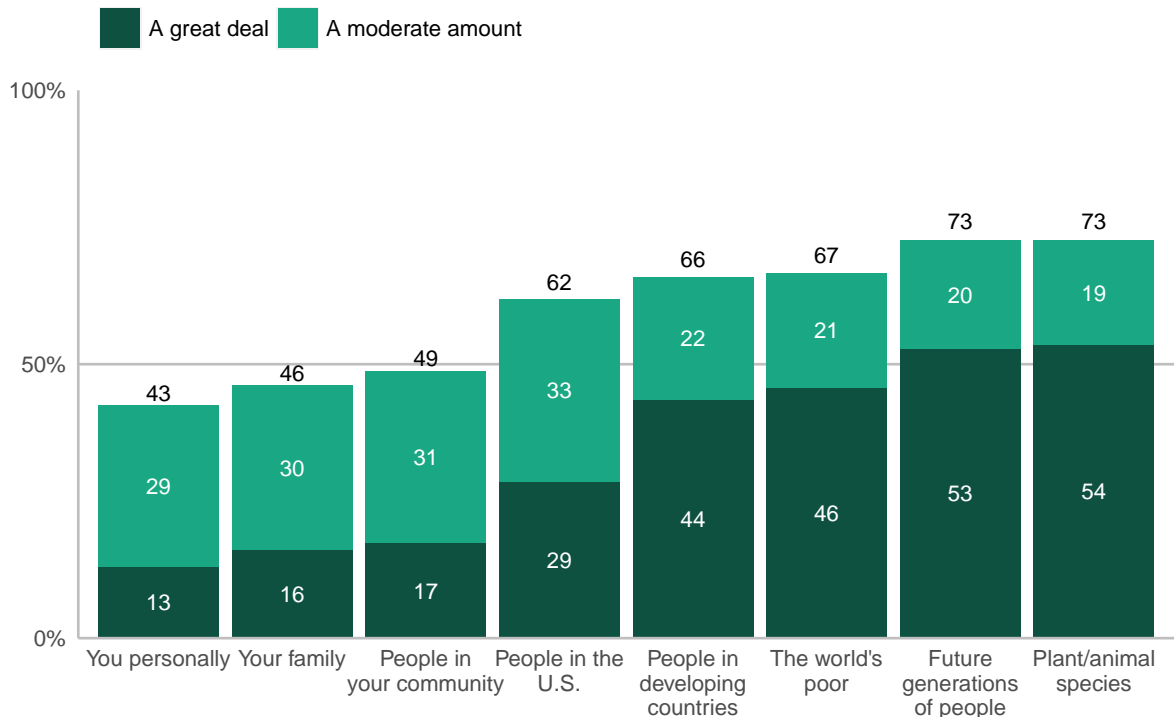
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4.3 Many Americans think they will be harmed by global warming, but think others will be harmed more.

Many Americans understand that global warming will cause harm. Americans are most likely to think that plant and animal species (73%) and future generations of people (73%) will be harmed “a great deal” or “a moderate amount” by global warming. Six in ten or more think the world’s poor (67%), people in developing countries (66%), and people in the U.S. (62%) will be harmed. Four in ten or more think people in their community (49%), their family (46%), and they themselves (43%) will be harmed.

Many 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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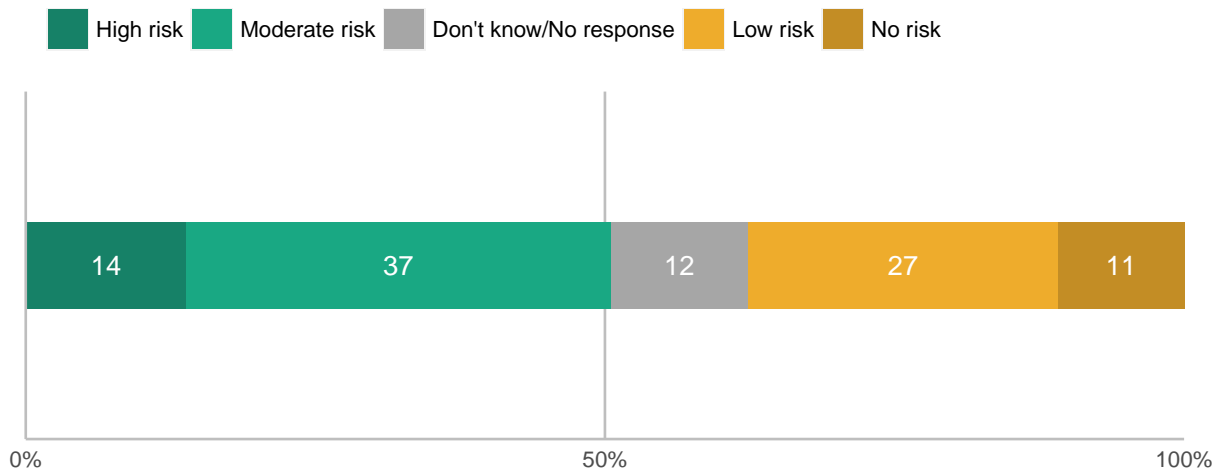


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4.4 About half of Americans think global warming poses a risk to their community.

About half of Americans think global warming poses either a “high” (14%) or “moderate” risk (37%) to their community over the next 10 years.

About half of Americans think global warming poses a risk to their community



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

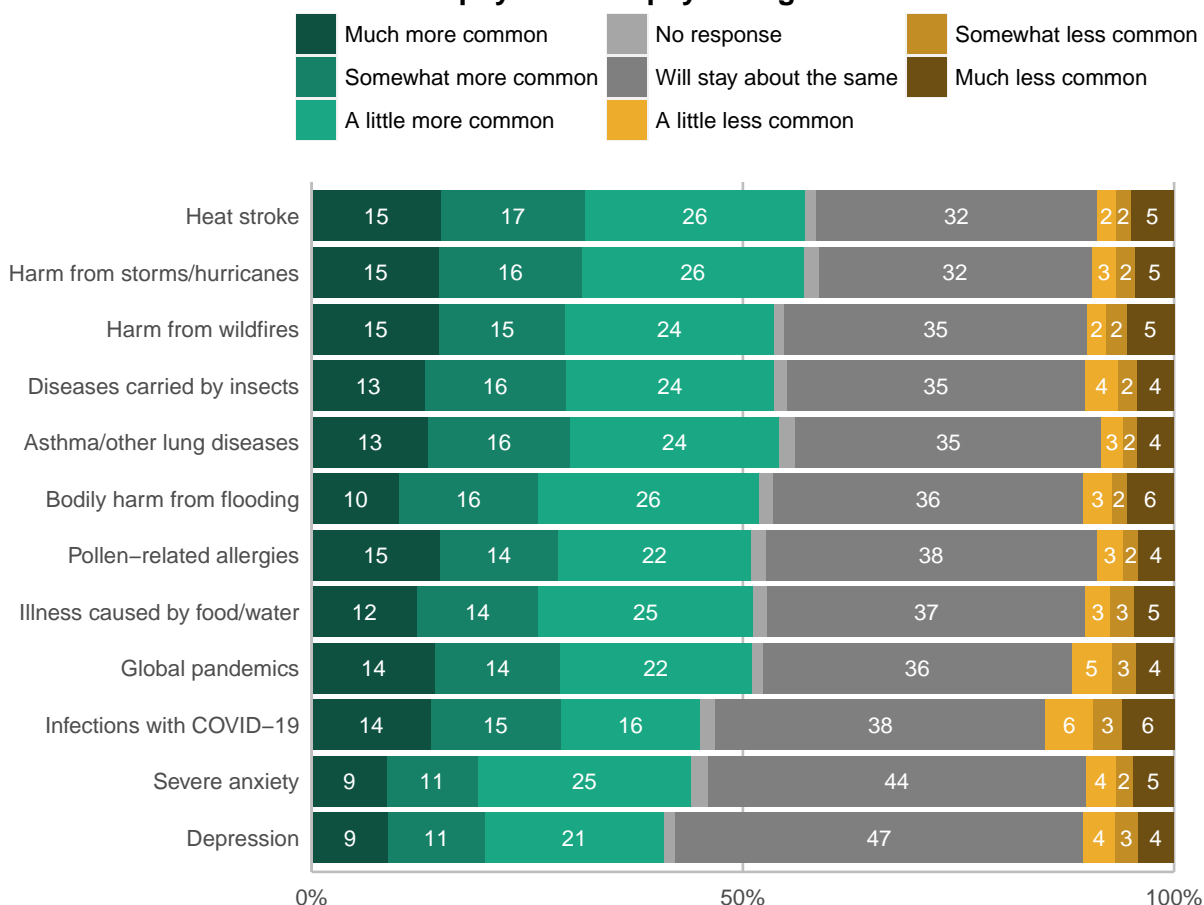
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4.5 Many Americans think global warming will result in increased physical and psychological harm.

Many Americans think physical and psychological harms will become at least “a little” more common as a result of global warming over the next 10 years, if nothing is done to address it. Half or more think the following will become more common: heat stroke caused by extreme heat waves (57%); bodily harm from severe storms and/or hurricanes (57%); bodily harm from wildfires (including smoke inhalation) (54%); diseases carried by insects, such as Lyme disease, West Nile virus, and/or dengue fever (54%); asthma and/or other lung diseases (54%); bodily harm from flooding (52%); pollen-related allergies (51%); illness caused by food and/or water containing harmful bacteria or viruses (51%); and global pandemics (51%). Four in ten or more think infections with the novel coronavirus (COVID-19) (45%), severe anxiety (44%), and depression (41%) will become more common as a result of global warming.

Many Americans think global warming will result in increased physical and psychological harm



Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it?



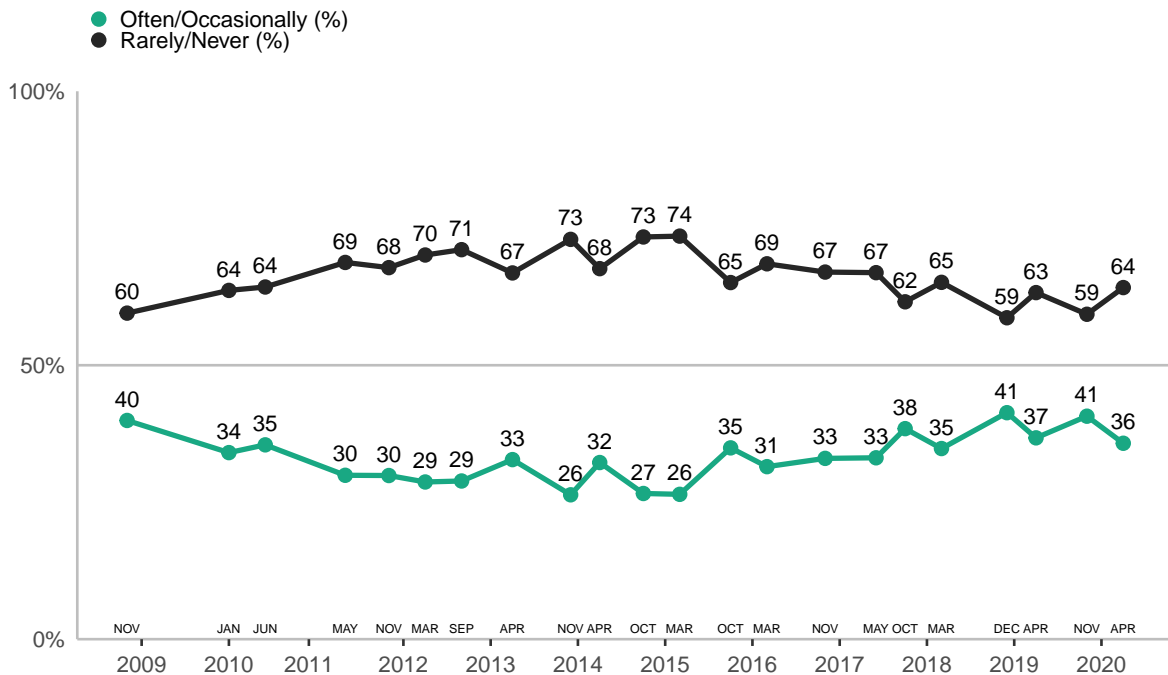
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5 Personal and Social Engagement with Global Warming

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

More than six in ten Americans (64%) say they “rarely” or “never” discuss global warming with family and friends. Fewer than four in ten (36%) say they discuss global warming “occasionally” or “often,” but that reflects a 10 percentage-point increase over the past five years (since our March 2015 survey).

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



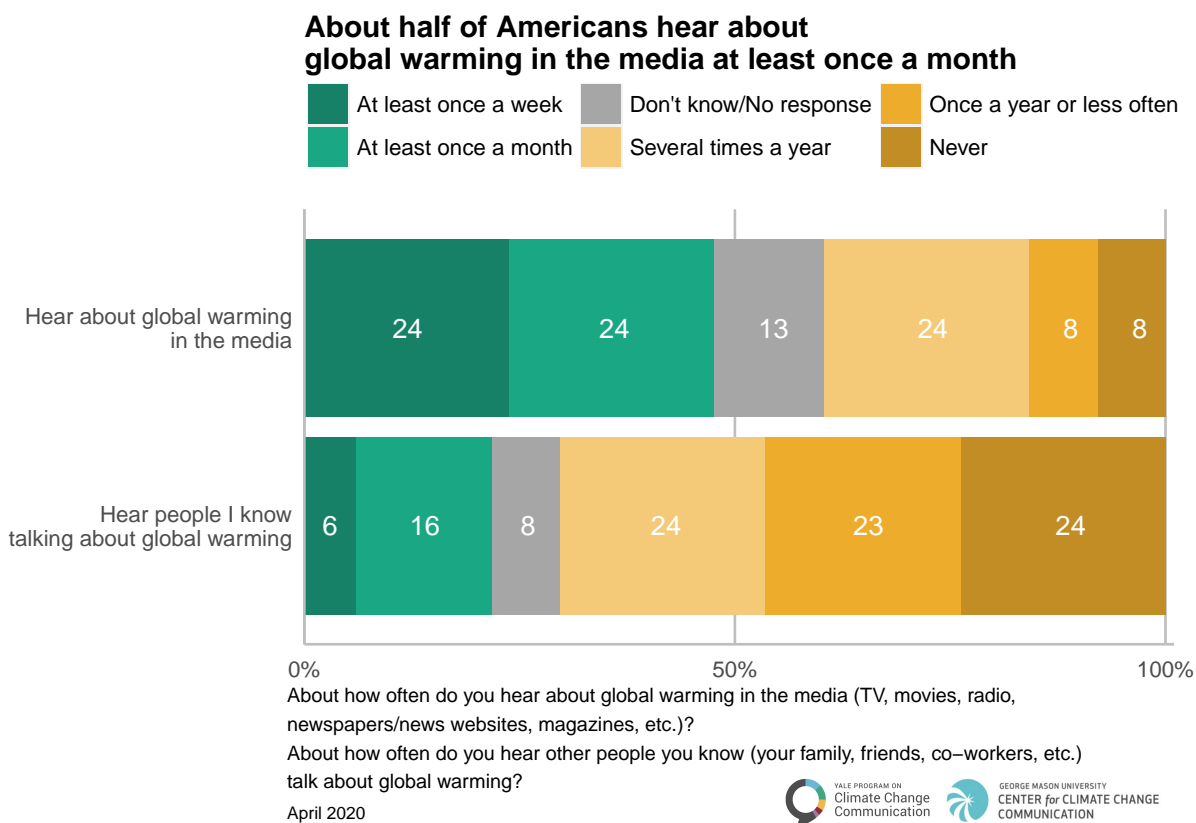
How often do you discuss global warming with your family and friends?
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5.2 About half of Americans hear about global warming in the media at least once a month; fewer hear people they know talking about it at least once a month.

About half of Americans (47%) say they hear about global warming in the media once a month or more frequently. This marks an increase of seven percentage points since we first asked the question five years ago (in March 2015), but a nine percentage-point decrease since our previous survey in November 2019 (see Data Tables, p. 82). About one in three Americans (32%) say they hear about global warming in the media several times a year or less often, a 7-point increase since last November. Eight percent say they never hear about global warming in the media.

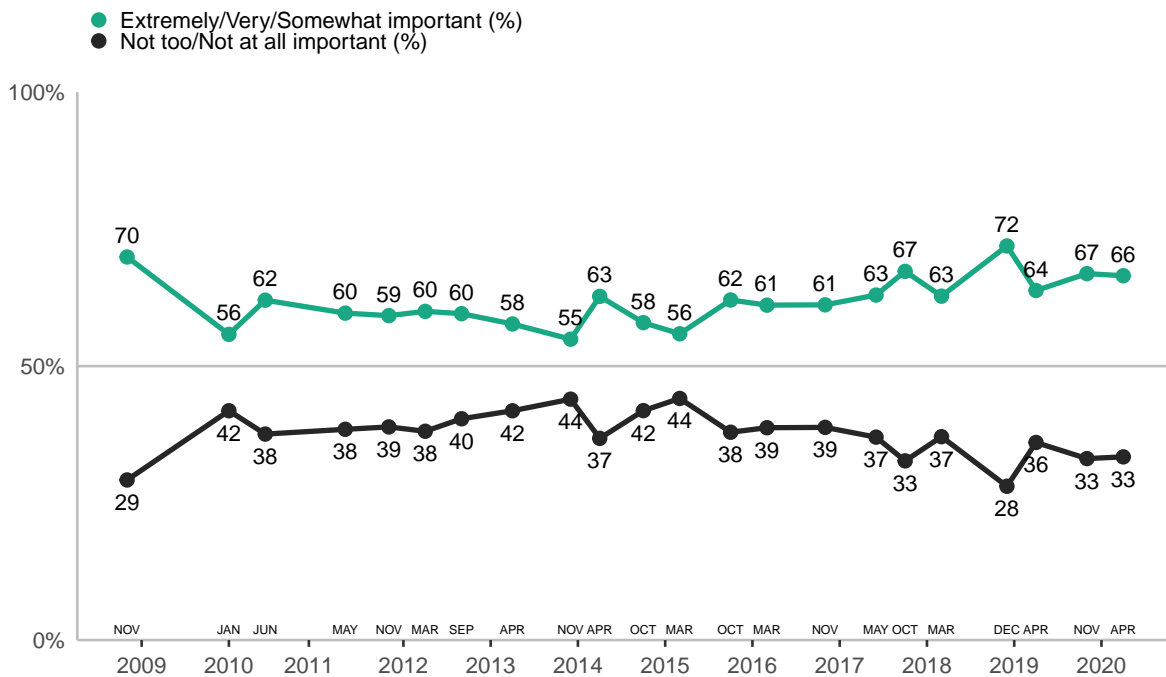
Only about one in five Americans (22%) say they hear people they know talk about global warming once a month or more frequently. In contrast, 46% say they hear people they know talk about it several times a year or less often. About one in four (24%) say they never hear people they know talk about global warming.



5.3 Two in three Americans say the issue of global warming is personally important.

Two in three Americans (66%) say the issue of global warming is either “extremely” (13%), “very” (24%), or “somewhat” (29%) important to them personally. One in three (33%) say global warming is either “not too” (20%) or “not at all” (13%) personally important.

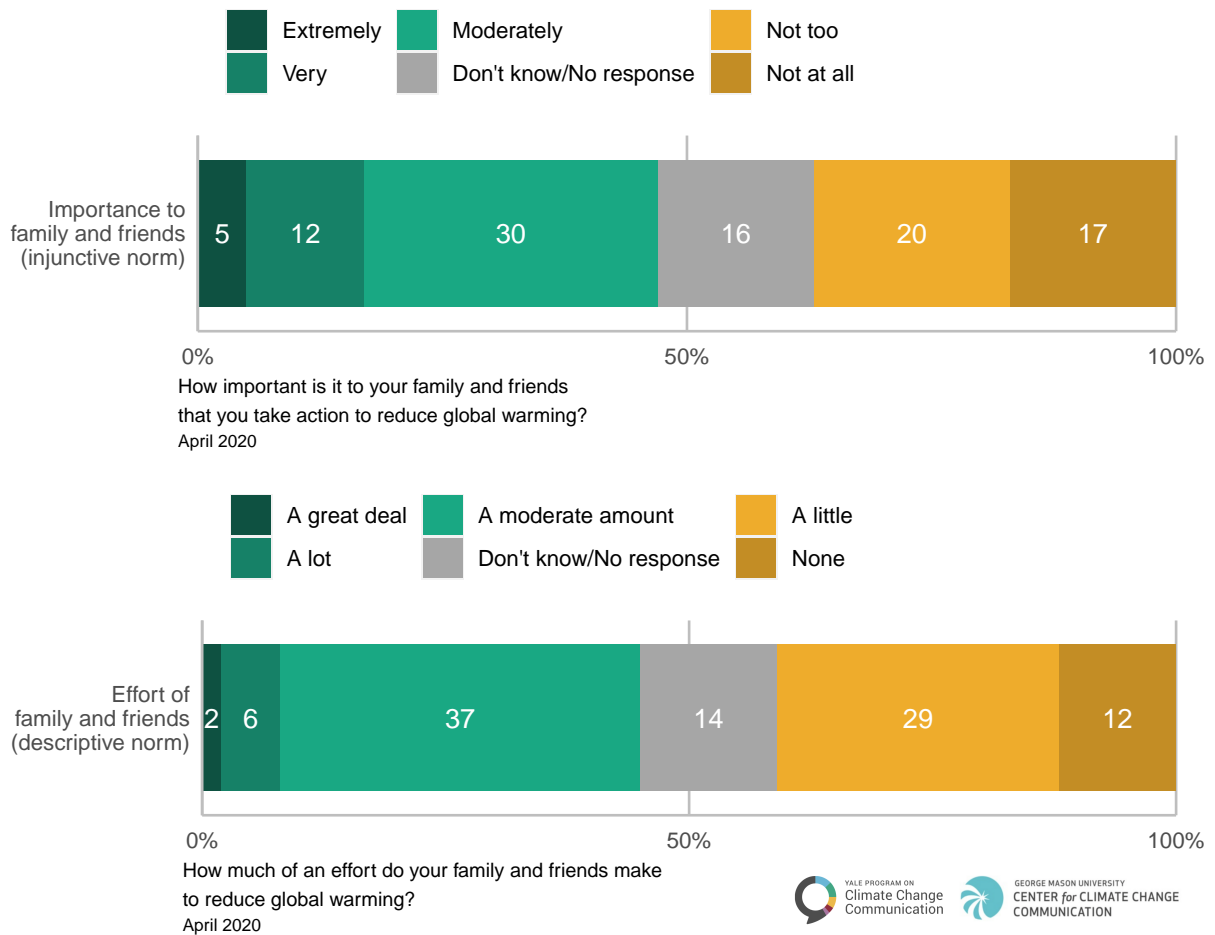
Two in three Americans say the issue of global warming is personally important



How important is the issue of global warming to you personally?
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5.4 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.⁶⁷⁸⁹

About half of Americans (47%) perceive an injunctive norm, saying it is either “extremely” (5%), “very” (12%), or “moderately” important (30%) to their family and friends that they take action to reduce global warming. Fewer Americans (44%) perceive a descriptive norm, saying their family and friends make either “a great deal of effort” (2%), “a lot of effort” (6%), or “a moderate amount of effort” (37%) to reduce global warming.

⁶Ballew, M. T., Goldberg, M. H., Rosenthal, S. A., Cutler, M. J., & Leiserowitz, A. (2019). Climate change activism among Latino and White Americans. *Frontiers in Communication*, 3(58), 1-15. <https://www.frontiersin.org/articles/10.3389/fcomm.2018.00058/full>

⁷Cialdini, R. B. (2003). Crafting normative messages to protect the environment. *Current Directions in Psychological Science*, 12(4), 105-109. <https://journals.sagepub.com/doi/10.1111/1467-8721.01242>

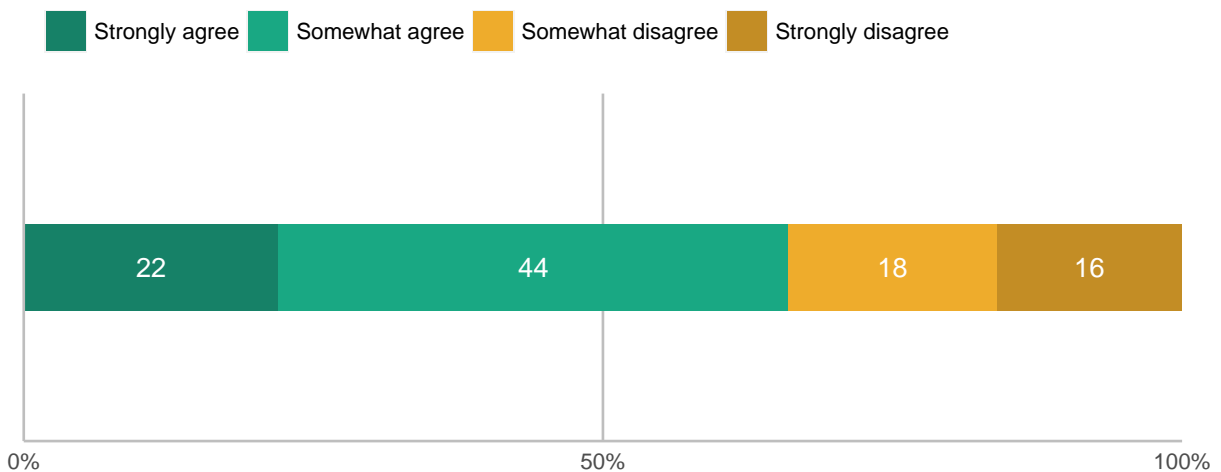
⁸Doherty, K. L., & Webler, T. N. (2016). Social norms and efficacy beliefs drive the Alarmed segment's public-sphere climate actions. *Nature Climate Change*, 6, 879-884. <https://www.nature.com/articles/nclimate3025>

⁹Schultz, 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>

5.5 Two in three Americans feel a personal sense of responsibility to help reduce global warming.

Two in three Americans (66%) either “strongly” (22%) or “somewhat” (44%) agree that they feel a personal sense of responsibility to help reduce global warming.

Two in three Americans feel a personal sense of responsibility to help reduce global warming



How much do you agree or disagree with the following statement?
I feel a personal sense of responsibility to help reduce global warming.

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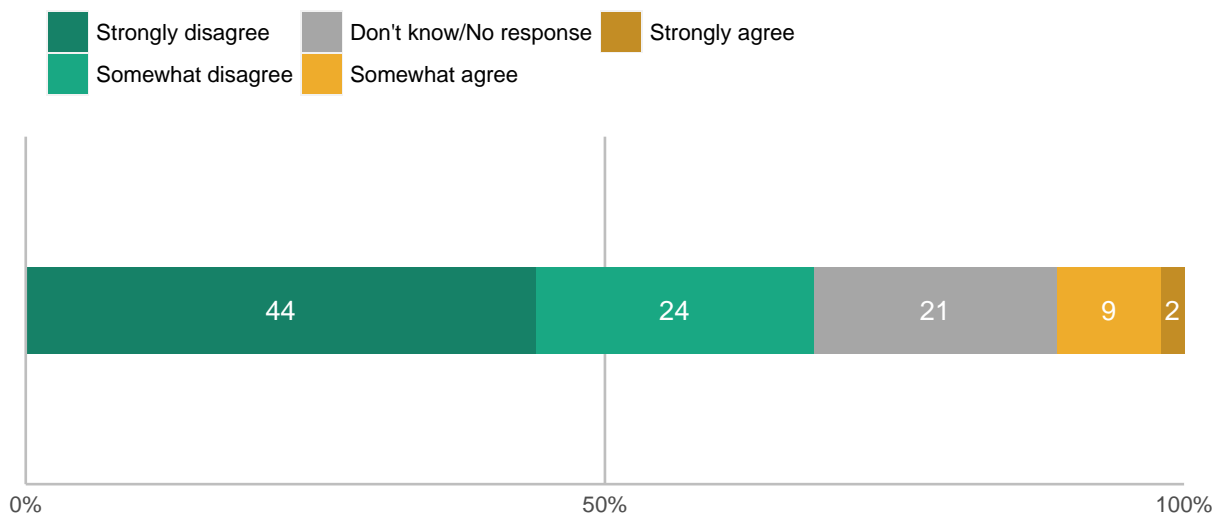


6 Efficacy Beliefs

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

Only about one in ten Americans agree either “strongly” (2%) or “somewhat” (9%) that it is too late to do anything about global warming. In contrast, about two in three Americans (68%) are more optimistic – they either “strongly” (44%) or “somewhat” (24%) disagree that it is too late to do anything about global warming.

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.

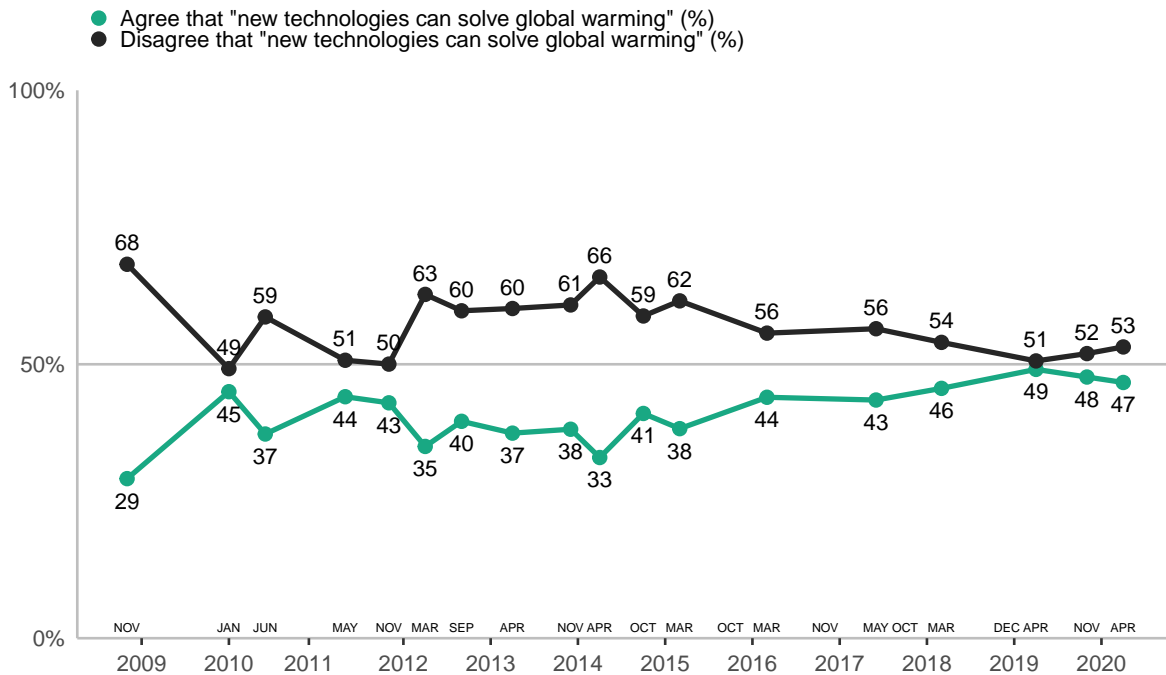
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6.2 About half of Americans think new technologies can solve global warming.

About half of Americans (47%) think new technologies can solve global warming without individuals having to make big changes in their lives. There has been a general upward trend in this belief over the past five years, with the percentage increasing by nine percentage points since March 2015.

About half of Americans think new technologies can solve global warming



How much do you agree or disagree with the following statement?
 New technologies can solve global warming without individuals having to make big changes in their lives.
 April 2020



7 How Americans Conceptualize Global Warming

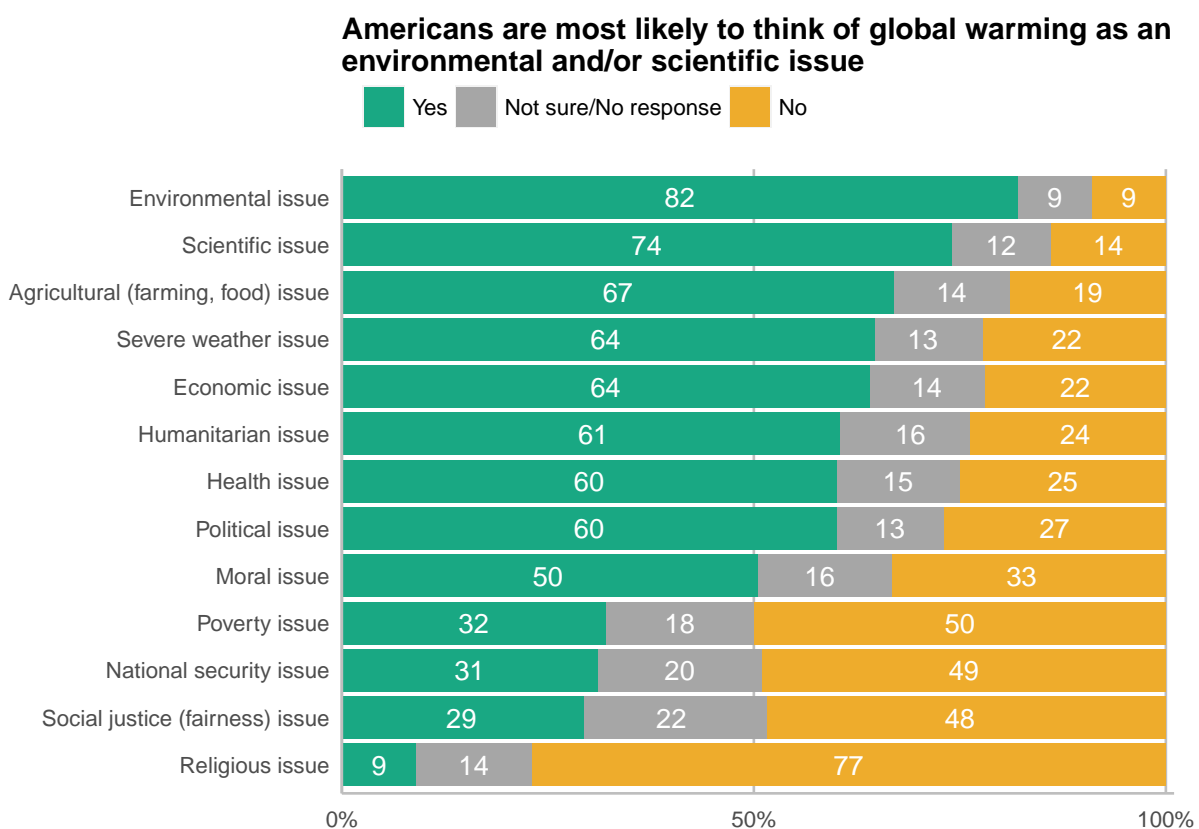
7.1 Americans are most likely to think of global warming as an environmental and/or scientific issue.

Global warming is a complex challenge with many dimensions. Understanding how people conceptualize the issue is critical to formulating effective communication strategies.

A large majority of Americans think global warming is an environmental issue (82%) and a scientific issue (74%). Half or more think global warming is an agricultural (67%), severe weather (64%), economic (64%), humanitarian (61%), health (60%), political (60%), and/or moral (50%) issue.

Fewer think global warming is a poverty (32%), national security (31%), social justice (29%), and/or religious (9%) issue.

The proportion of Americans who consider global warming a moral issue has increased by 12 percentage points since the last time we asked this question (one year ago, in April 2019), and the percentages who consider it an economic and a humanitarian issue have both increased by ten percentage points since then.



In your opinion, do you think global warming is a(n)...

April 2020

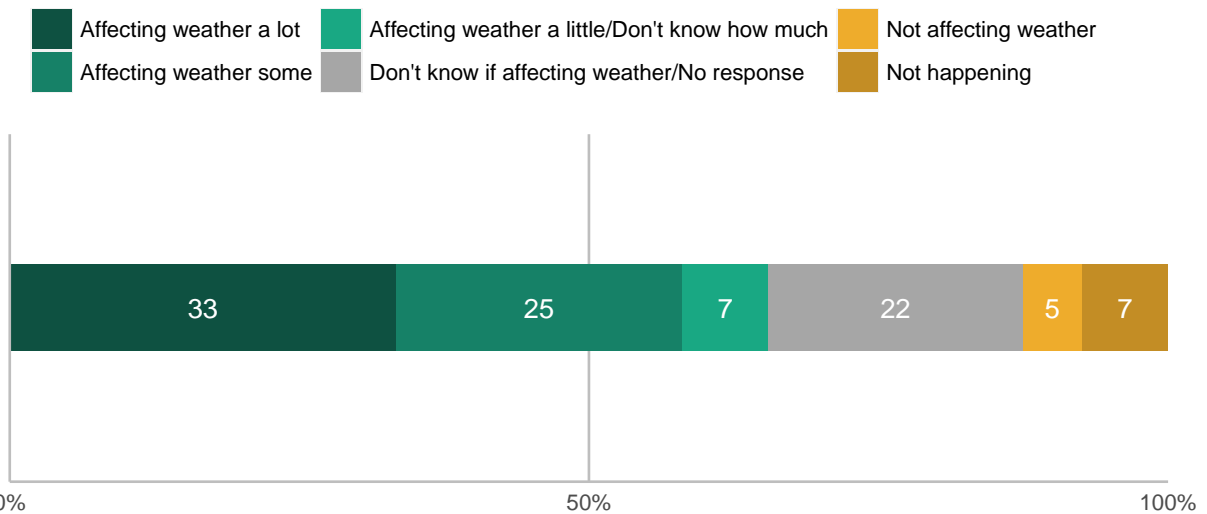


8 Global Warming and Severe Weather

8.1 Two in three Americans think global warming is affecting weather in the United States.

Two in three Americans (66%) think global warming is affecting weather in the United States, including more than half (58%) who think global warming is affecting U.S. weather either “a lot” (33%) or “some” (25%).

Two in three 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 U.S.; (b) Global warming is not affecting weather in the U.S.;
 (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 U.S.?

April 2020



YALE PROGRAM ON
Climate Change
Communication



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CENTER for CLIMATE CHANGE
COMMUNICATION



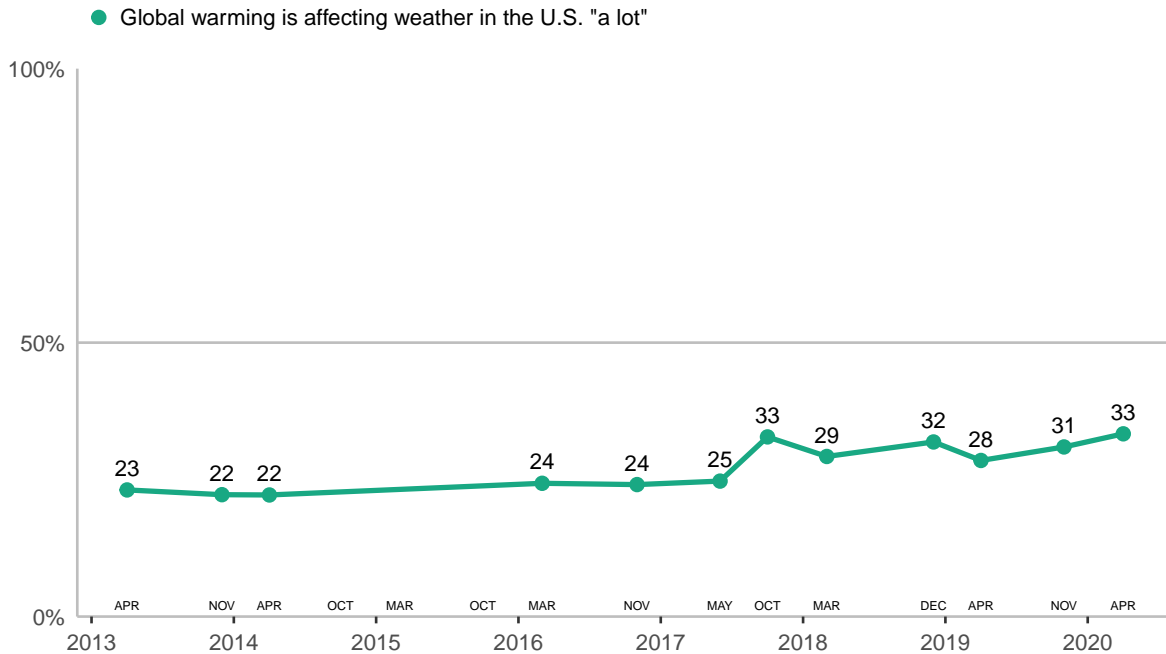
YALE PROGRAM ON
Climate Change
Communication



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CENTER for CLIMATE CHANGE
COMMUNICATION

As noted above, one in three Americans (33%) think global warming is affecting weather “a lot.” The percentage of Americans who think global warming is affecting the weather “a lot” has increased by ten percentage points since we first asked this question in April 2013.

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 U.S.;
- (b) Global warming is not affecting weather in the U.S.;
- (c) Global warming isn't happening;
- (d) Don't know;
- (e) Prefer not to answer

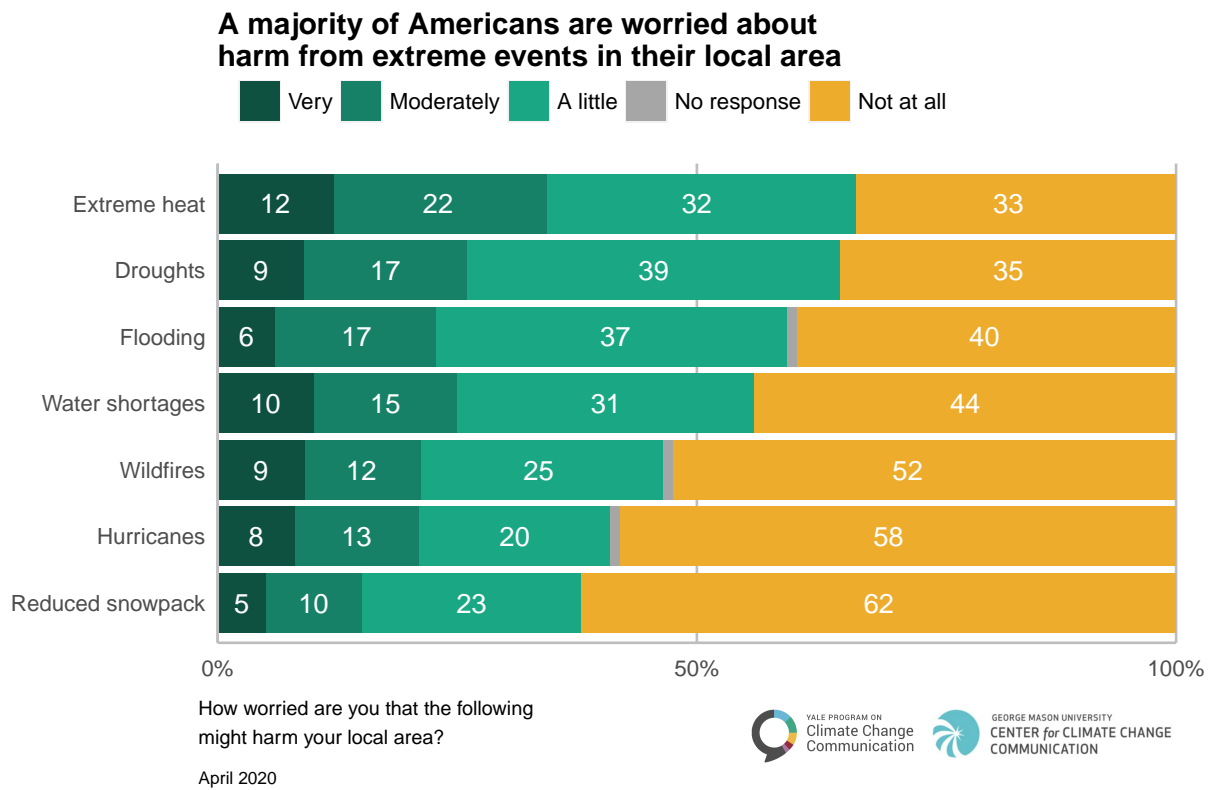
[If (a) selected]: How much do you think global warming is affecting weather in the U.S.?

April 2020



8.2 A majority of Americans are worried about harm from extreme events in their local area.

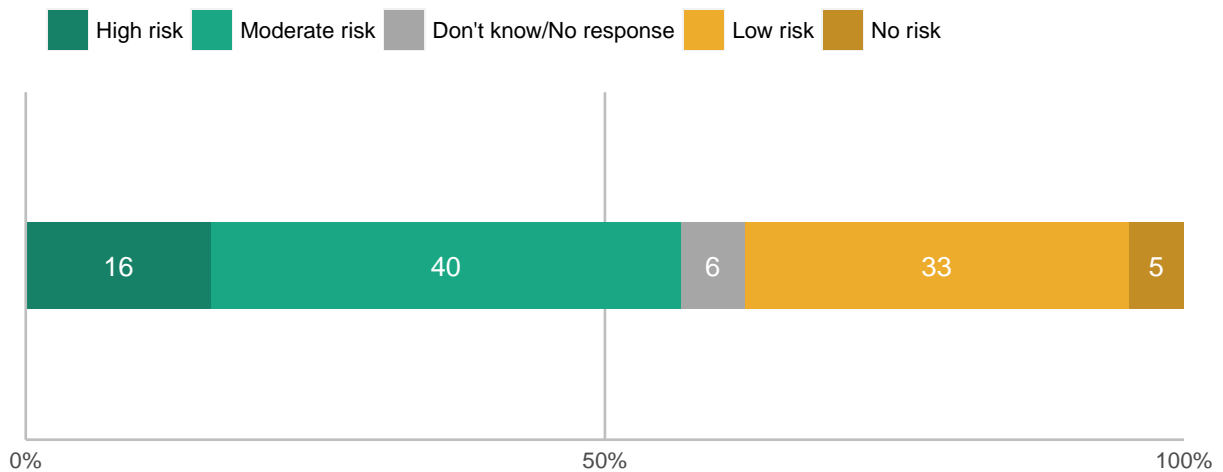
A majority of Americans are at least “a little worried” about extreme events in their local areas, including extreme heat (66%), droughts (65%), flooding (60%), and water shortages (56%). Fewer are worried about wildfires (47%), hurricanes (41%), or reduced snow pack (37%).



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

A majority of Americans think extreme weather poses either a “high” (16%) or “moderate” (40%) risk to their community over the next 10 years. Fewer think extreme weather poses either a “low” risk (33%) or “no” risk (5%).

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



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

April 2020



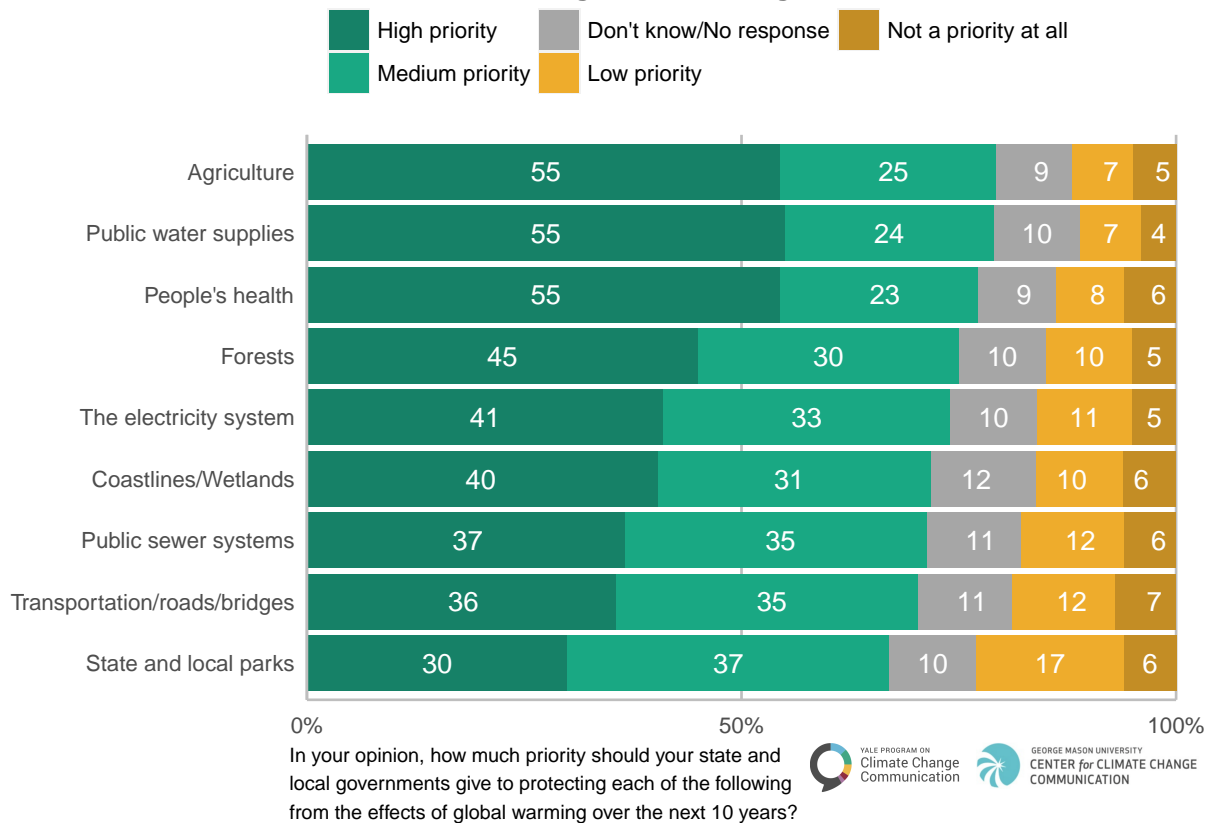
9 Adaptation to Global Warming

9.1 Majorities of Americans prioritize protecting agriculture, water supplies, and people’s health from the effects of global warming.

Majorities of Americans think state and local governments should place a “high priority” on protecting agriculture, public water supplies, and people’s health (all 55%) from the effects of global warming over the next ten years.

Four in ten or more think protecting forests (45%), the electricity system (41%), and coastlines/wetlands (40%) should be a high priority. Fewer place a high priority on protecting public sewer systems (37%), transportation/roads/bridges (36%), or state and local parks (30%) from the effects of global warming.

Majorities of Americans prioritize protecting agriculture, water supplies, and people's health from the effects of global warming



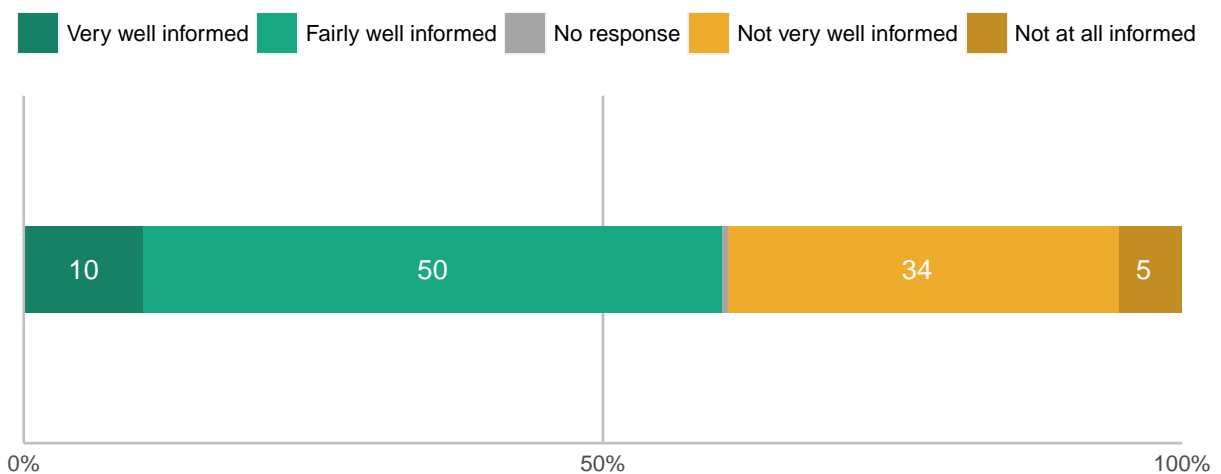
April 2020

10 Becoming Informed About Global Warming

10.1 Six in ten Americans feel well informed about global warming, but only one in ten feel “very well informed.”

Six in ten Americans (60%) feel at least “fairly well informed” about global warming, but only one in ten (10%) Americans feel “very well informed.” Only 5% of Americans say they feel “not at all informed” about global warming.

Six in ten Americans feel well informed about global warming



Personally, how well informed do you feel you are about global warming?

April 2020

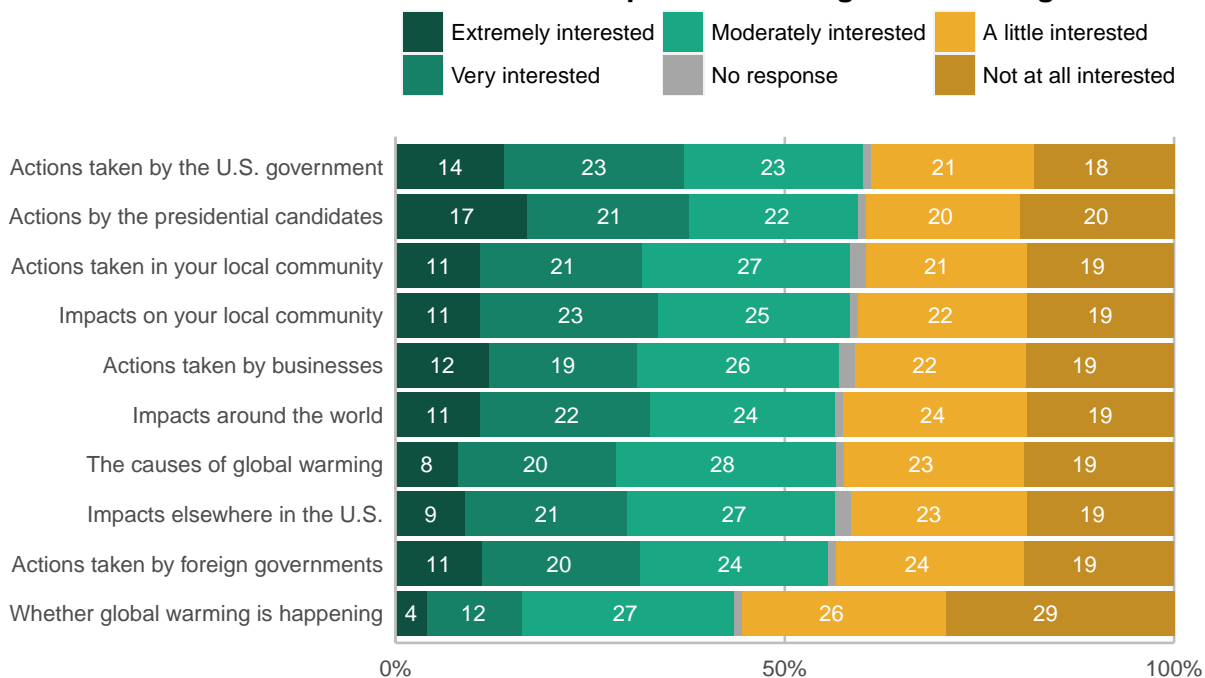


10.2 Majorities of Americans are interested in news stories about various topics related to global warming.

Majorities of Americans are at least “moderately” interested in news stories about issues related to global warming, including actions being taken by the U.S. government in response to global warming (60%), actions that the presidential candidates plan to take in response to global warming (60%), actions being taken in their local community in response to global warming (59%), the impacts of global warming on their local community (58%), actions being taken by businesses in response to global warming (58%), impacts of global warming around the world (57%), the causes of global warming (57%), impacts of global warming elsewhere in the U.S. (56%), and actions being taken by foreign governments in response to global warming (55%).

Fewer Americans are interested in news stories about whether global warming is happening (44%), because those who already think global warming is happening are, understandably, less likely to express interest in them.

Majorities of Americans are interested in news stories about various topics related to global warming



0% 50% 100%
 How interested are you in news stories about the following topics?
 April 2020



Appendix I: Data Tables

Note: NaN = “No available number” (i.e., the question was not asked in that survey wave).

(Base: Americans 18+)

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
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
Yes (%)	71	57	61	63	62	66	70	63
No (%)	10	20	18	18	16	14	12	16
Don't Know (%)	19	22	21	18	19	20	18	20

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	1,330	1,204	1,226	1,266
Yes (%)	62	64	66	63	67	70	70	70
No (%)	23	19	16	18	15	11	13	13
Don't Know (%)	14	17	18	19	18	18	17	16

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
Yes (%)	71	70	73	69	72	73
No (%)	13	14	14	16	12	10
Don't Know (%)	15	16	13	16	16	16

(Base: Americans 18+ who say global warming is happening)

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
(Unweighted Base)	1,537	567	624	634	617	662	743	658
Extremely sure (%)	35	24	20	21	22	19	27	27
Very sure (%)	37	35	36	33	34	34	30	33
Somewhat sure (%)	24	37	40	40	38	42	40	37
Not at all sure (%)	4	5	3	6	5	5	3	4

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	518	647	837	800	891	849	859	889
Extremely sure (%)	27	30	24	27	28	30	35	31
Very sure (%)	31	32	34	31	32	31	30	34
Somewhat sure (%)	39	33	38	38	37	34	32	33
Not at all sure (%)	3	4	4	3	3	4	4	2

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	931	897	813	887	937	755
Extremely sure (%)	34	41	42	39	43	44
Very sure (%)	31	29	28	28	30	29
Somewhat sure (%)	32	27	27	29	24	24
Not at all sure (%)	2	3	3	3	3	3

(Base: Americans 18+ who say global warming is not happening)

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
(Unweighted Base)	210	200	186	179	162	140	131	168
Extremely sure (%)	26	27	20	21	21	15	14	18
Very sure (%)	28	30	31	30	37	41	27	28
Somewhat sure (%)	38	33	44	38	36	35	45	42
Not at all sure (%)	8	7	4	11	5	8	13	12

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	188	193	206	227	206	133	155	169
Extremely sure (%)	20	15	23	21	21	20	24	26
Very sure (%)	35	26	30	31	32	37	29	26
Somewhat sure (%)	36	47	35	37	36	34	39	41
Not at all sure (%)	9	12	11	11	12	9	8	7

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	171	175	156	200	160	104
Extremely sure (%)	19	15	20	22	32	17
Very sure (%)	33	39	30	31	24	38
Somewhat sure (%)	39	35	41	36	38	36
Not at all sure (%)	9	12	8	11	5	9

(Base: Americans 18+ who say global warming is happening)

To the best of your knowledge, what percentage of adults in the United States (18 years or older) think that global warming is happening?

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	1,291	0	1,029
0%-10% (%)	NaN	NaN	NaN	3	NaN	1
11%-20% (%)	NaN	NaN	NaN	2	NaN	1
21%-30% (%)	NaN	NaN	NaN	5	NaN	3
31%-40% (%)	NaN	NaN	NaN	6	NaN	6
41%-50% (%)	NaN	NaN	NaN	23	NaN	17
51%-60% (%)	NaN	NaN	NaN	13	NaN	16
61%-70% (%)	NaN	NaN	NaN	11	NaN	13
71%-80% (%)	NaN	NaN	NaN	11	NaN	13
81%-90% (%)	NaN	NaN	NaN	3	NaN	4
91%-100% (%)	NaN	NaN	NaN	2	NaN	2
Don't know enough to say	NaN	NaN	NaN	19	NaN	23

(Base: Americans 18+)**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
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
Caused mostly by human activities (%)	57	46	50	47	49	46	54	49
Caused mostly by natural changes (%)	32	35	34	35	32	37	32	33
Neither, because it isn't happening (%)	4	9	6	8	8	5	7	8
Other (caused by human activities and natural changes) (%)	5	6	7	7	6	9	5	7
Other (unclassified) (%)	1	1	1	1	2	2	1	2

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	1,330	1,204	1,226	1,266
Caused mostly by human activities (%)	47	52	51	52	53	53	55	58
Caused mostly by natural changes (%)	36	33	33	32	33	34	30	30
Neither, because it isn't happening (%)	8	7	9	10	8	7	8	6
Other (caused by human activities and natural changes) (%)	5	5	6	4	5	5	5	6
Other (unclassified) (%)	3	1	1	1	1	1	1	1

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
Caused mostly by human activities (%)	54	58	62	55	59	62
Caused mostly by natural changes (%)	33	28	23	32	30	29
Neither, because it isn't happening (%)	6	7	8	6	5	5
Other (caused by human activities and natural changes) (%)	6	5	6	6	5	5
Other (unclassified) (%)	1	1	0	1	1	0

(Base: Americans 18+)**What comes closest to your view?**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
Most scientists think global warming is happening (%)	46	33	34	38	40	34	44	42
Most scientists think global warming is not happening (%)	2	5	4	4	3	3	3	4
There is a lot of disagreement among scientists about whether or not global warming is happening (%)	33	39	45	39	38	41	36	33
Don't know enough to say (%)	18	21	17	18	17	21	18	20
Refused (%)	1	2	0	1	2	1	0	1

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	0	1,204	1,226	1,266
Most scientists think global warming is happening (%)	42	40	44	40	NaN	48	51	49
Most scientists think global warming is not happening (%)	6	5	3	3	NaN	3	3	3
There is a lot of disagreement among scientists about whether or not global warming is happening (%)	33	32	31	32	NaN	28	27	27
Don't know enough to say (%)	18	23	22	25	NaN	21	18	21
Refused (%)	1	0	0	0	NaN	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
Most scientists think global warming is happening (%)	56	49	57	53	55	56
Most scientists think global warming is not happening (%)	2	2	3	3	4	3
There is a lot of disagreement among scientists about whether or not global warming is happening (%)	27	27	25	25	24	24
Don't know enough to say (%)	14	21	14	19	17	16
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)

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.

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	1,013	1,275	1,263	1,330	1,204	1,226	1,266
0%-10% (%)	1	1	1	2	1	2	2
11%-20% (%)	1	1	1	2	1	1	1
21%-30% (%)	5	4	4	4	4	7	4
31%-40% (%)	3	2	2	2	2	3	3
41%-50% (%)	15	15	14	12	13	13	13
51%-60% (%)	8	7	6	5	6	6	7
61%-70% (%)	7	7	8	6	8	7	6
71%-80% (%)	14	17	15	18	15	17	14
81%-90% (%)	7	7	8	10	8	9	10
91%-100% (%)	9	9	9	12	11	15	13
Don't know enough to say	28	29	31	27	32	21	28

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,113	1,291	1,303	1,029
0%-10% (%)	1	1	1	1	2	1
11%-20% (%)	1	1	1	1	1	1
21%-30% (%)	5	4	1	2	2	2
31%-40% (%)	3	1	2	3	3	2
41%-50% (%)	13	10	15	17	10	11
51%-60% (%)	5	4	6	7	8	10
61%-70% (%)	5	5	6	7	8	6
71%-80% (%)	17	15	15	12	12	13
81%-90% (%)	10	10	11	10	11	11
91%-100% (%)	15	15	20	17	22	21
Don't know enough to say	24	34	22	21	21	22

(Base: Americans 18+)**How worried are you about global warming?**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
Very worried (%)	16	11	12	9	12	11	16	14
Somewhat worried (%)	46	37	41	42	41	42	42	37
Not very worried (%)	24	27	30	28	30	30	25	30
Not at all worried (%)	13	22	18	20	15	16	17	19
Refused (%)	1	2	0	1	2	1	0	0

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	1,330	1,204	1,226	1,266
Very worried (%)	15	15	11	11	16	16	19	17
Somewhat worried (%)	38	41	45	41	41	42	42	39
Not very worried (%)	26	27	26	29	27	25	24	27
Not at all worried (%)	20	18	18	19	16	18	15	17
Refused (%)	1	0	0	0	0	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
Very worried (%)	22	21	29	23	30	26
Somewhat worried (%)	42	41	40	39	36	40
Not very worried (%)	23	22	19	23	19	22
Not at all worried (%)	14	16	13	14	15	12
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about this issue of global warming?****Interested**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	1,001	1,024	1,010	0	0	0	0
Very (%)	NaN	20	19	22	NaN	NaN	NaN	NaN
Moderately (%)	NaN	42	47	42	NaN	NaN	NaN	NaN
Not very (%)	NaN	15	15	15	NaN	NaN	NaN	NaN
Not at all (%)	NaN	18	15	18	NaN	NaN	NaN	NaN
Refused (%)	NaN	5	3	3	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	0	0	0	1,330	1,204	1,226	0
Very (%)	21	NaN	NaN	NaN	23	22	23	NaN
Moderately (%)	38	NaN	NaN	NaN	43	45	43	NaN
Not very (%)	19	NaN	NaN	NaN	18	16	15	NaN
Not at all (%)	19	NaN	NaN	NaN	14	16	18	NaN
Refused (%)	3	NaN	NaN	NaN	1	1	1	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	0	1,303	1,029
Very (%)	24	19	25	NaN	23	19
Moderately (%)	43	42	44	NaN	41	44
Not very (%)	20	20	18	NaN	17	17
Not at all (%)	12	15	12	NaN	18	18
Refused (%)	1	2	1	NaN	1	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Disgusted**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	1,001	1,024	1,010	0	0	0	0
Very (%)	NaN	20	14	15	NaN	NaN	NaN	NaN
Moderately (%)	NaN	29	33	31	NaN	NaN	NaN	NaN
Not very (%)	NaN	22	23	22	NaN	NaN	NaN	NaN
Not at all (%)	NaN	24	27	28	NaN	NaN	NaN	NaN
Refused (%)	NaN	5	4	4	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	0	0	0	0	1,204	1,226	0
Very (%)	17	NaN	NaN	NaN	NaN	14	15	NaN
Moderately (%)	25	NaN	NaN	NaN	NaN	34	28	NaN
Not very (%)	26	NaN	NaN	NaN	NaN	25	28	NaN
Not at all (%)	29	NaN	NaN	NaN	NaN	26	28	NaN
Refused (%)	3	NaN	NaN	NaN	NaN	1	1	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	0	1,303	1,029
Very (%)	22	14	19	NaN	20	16
Moderately (%)	33	33	34	NaN	30	30
Not very (%)	25	26	24	NaN	21	20
Not at all (%)	19	25	22	NaN	28	33
Refused (%)	2	3	1	NaN	1	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Hopeful**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	1,001	1,024	1,010	0	0	0	0
Very (%)	NaN	9	10	9	NaN	NaN	NaN	NaN
Moderately (%)	NaN	34	35	34	NaN	NaN	NaN	NaN
Not very (%)	NaN	29	29	27	NaN	NaN	NaN	NaN
Not at all (%)	NaN	23	24	25	NaN	NaN	NaN	NaN
Refused (%)	NaN	5	3	4	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	0	0	0	1,330	1,204	1,226	0
Very (%)	9	NaN	NaN	NaN	11	10	11	NaN
Moderately (%)	33	NaN	NaN	NaN	39	38	38	NaN
Not very (%)	31	NaN	NaN	NaN	32	30	30	NaN
Not at all (%)	24	NaN	NaN	NaN	17	20	21	NaN
Refused (%)	3	NaN	NaN	NaN	1	1	1	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	0	1,303	1,029
Very (%)	7	7	10	NaN	9	10
Moderately (%)	37	35	38	NaN	33	35
Not very (%)	39	36	34	NaN	34	30
Not at all (%)	16	19	17	NaN	22	23
Refused (%)	2	3	1	NaN	1	2

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Resilient**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Very (%)	NaN	NaN	NaN	NaN	NaN	6
Moderately (%)	NaN	NaN	NaN	NaN	NaN	35
Not very (%)	NaN	NaN	NaN	NaN	NaN	31
Not at all (%)	NaN	NaN	NaN	NaN	NaN	26
Refused (%)	NaN	NaN	NaN	NaN	NaN	2

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Angry**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	1,001	1,024	1,010	0	0	0	0
Very (%)	NaN	15	10	12	NaN	NaN	NaN	NaN
Moderately (%)	NaN	28	30	25	NaN	NaN	NaN	NaN
Not very (%)	NaN	26	28	28	NaN	NaN	NaN	NaN
Not at all (%)	NaN	27	30	32	NaN	NaN	NaN	NaN
Refused (%)	NaN	4	3	3	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	0	0	0	0	1,204	1,226	0
Very (%)	13	NaN	NaN	NaN	NaN	12	12	NaN
Moderately (%)	22	NaN	NaN	NaN	NaN	29	26	NaN
Not very (%)	30	NaN	NaN	NaN	NaN	29	31	NaN
Not at all (%)	32	NaN	NaN	NaN	NaN	29	30	NaN
Refused (%)	3	NaN	NaN	NaN	NaN	1	1	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	0	1,303	1,029
Very (%)	16	11	15	NaN	16	13
Moderately (%)	32	28	33	NaN	29	27
Not very (%)	28	31	27	NaN	23	23
Not at all (%)	22	28	24	NaN	31	35
Refused (%)	2	2	1	NaN	1	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Outraged**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	0	0	1,204	1,226	0
Very (%)	NaN	NaN	NaN	NaN	NaN	12	12	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	29	24	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	28	32	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	30	31	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	1	1	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	0	1,303	1,029
Very (%)	15	11	14	NaN	17	13
Moderately (%)	28	26	29	NaN	28	27
Not very (%)	32	32	29	NaN	22	22
Not at all (%)	23	29	27	NaN	32	37
Refused (%)	2	3	1	NaN	1	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Helpless**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	1,001	1,024	1,010	0	0	0	0
Very (%)	NaN	13	11	12	NaN	NaN	NaN	NaN
Moderately (%)	NaN	29	32	33	NaN	NaN	NaN	NaN
Not very (%)	NaN	23	23	20	NaN	NaN	NaN	NaN
Not at all (%)	NaN	30	30	32	NaN	NaN	NaN	NaN
Refused (%)	NaN	4	3	3	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	0	0	0	1,330	1,204	1,226	0
Very (%)	15	NaN	NaN	NaN	14	13	12	NaN
Moderately (%)	27	NaN	NaN	NaN	39	36	34	NaN
Not very (%)	24	NaN	NaN	NaN	25	23	26	NaN
Not at all (%)	30	NaN	NaN	NaN	21	27	26	NaN
Refused (%)	3	NaN	NaN	NaN	1	1	1	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	0	1,303	1,029
Very (%)	15	10	14	NaN	17	10
Moderately (%)	37	35	37	NaN	36	29
Not very (%)	26	27	25	NaN	20	24
Not at all (%)	20	25	24	NaN	26	35
Refused (%)	2	3	1	NaN	1	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Afraid**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	1,001	1,024	1,010	0	0	0	0
Very (%)	NaN	9	9	12	NaN	NaN	NaN	NaN
Moderately (%)	NaN	26	28	27	NaN	NaN	NaN	NaN
Not very (%)	NaN	27	27	25	NaN	NaN	NaN	NaN
Not at all (%)	NaN	34	34	33	NaN	NaN	NaN	NaN
Refused (%)	NaN	5	3	4	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	0	0	0	0	1,204	1,226	0
Very (%)	10	NaN	NaN	NaN	NaN	11	12	NaN
Moderately (%)	25	NaN	NaN	NaN	NaN	31	30	NaN
Not very (%)	27	NaN	NaN	NaN	NaN	26	27	NaN
Not at all (%)	34	NaN	NaN	NaN	NaN	30	29	NaN
Refused (%)	3	NaN	NaN	NaN	NaN	1	1	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	0	1,303	1,029
Very (%)	14	10	13	NaN	15	7
Moderately (%)	34	28	36	NaN	31	28
Not very (%)	28	31	26	NaN	23	26
Not at all (%)	22	28	24	NaN	30	38
Refused (%)	2	3	1	NaN	1	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Anxious**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Very (%)	NaN	NaN	NaN	NaN	NaN	7
Moderately (%)	NaN	NaN	NaN	NaN	NaN	27
Not very (%)	NaN	NaN	NaN	NaN	NaN	26
Not at all (%)	NaN	NaN	NaN	NaN	NaN	39
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Brave**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Very (%)	NaN	NaN	NaN	NaN	NaN	6
Moderately (%)	NaN	NaN	NaN	NaN	NaN	26
Not very (%)	NaN	NaN	NaN	NaN	NaN	33
Not at all (%)	NaN	NaN	NaN	NaN	NaN	34
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Hopeless**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Very (%)	NaN	NaN	NaN	NaN	NaN	5
Moderately (%)	NaN	NaN	NaN	NaN	NaN	23
Not very (%)	NaN	NaN	NaN	NaN	NaN	30
Not at all (%)	NaN	NaN	NaN	NaN	NaN	40
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Betrayed**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Very (%)	NaN	NaN	NaN	NaN	NaN	8
Moderately (%)	NaN	NaN	NaN	NaN	NaN	18
Not very (%)	NaN	NaN	NaN	NaN	NaN	26
Not at all (%)	NaN	NaN	NaN	NaN	NaN	46
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Confused**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Very (%)	NaN	NaN	NaN	NaN	NaN	5
Moderately (%)	NaN	NaN	NaN	NaN	NaN	21
Not very (%)	NaN	NaN	NaN	NaN	NaN	31
Not at all (%)	NaN	NaN	NaN	NaN	NaN	41
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Guilty**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	1,001	1,024	1,010	0	0	0	0
Very (%)	NaN	4	3	4	NaN	NaN	NaN	NaN
Moderately (%)	NaN	20	23	22	NaN	NaN	NaN	NaN
Not very (%)	NaN	31	31	29	NaN	NaN	NaN	NaN
Not at all (%)	NaN	40	40	41	NaN	NaN	NaN	NaN
Refused (%)	NaN	5	3	4	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	0	0	0	0	0	0	0
Very (%)	4	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	22	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	29	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	42	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	3	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	1,303	1,029
Very (%)	NaN	NaN	NaN	NaN	6	4
Moderately (%)	NaN	NaN	NaN	NaN	27	22
Not very (%)	NaN	NaN	NaN	NaN	30	31
Not at all (%)	NaN	NaN	NaN	NaN	36	42
Refused (%)	NaN	NaN	NaN	NaN	1	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Depressed**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Very (%)	NaN	NaN	NaN	NaN	NaN	5
Moderately (%)	NaN	NaN	NaN	NaN	NaN	19
Not very (%)	NaN	NaN	NaN	NaN	NaN	27
Not at all (%)	NaN	NaN	NaN	NaN	NaN	48
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**How strongly do you feel each of the following emotions when you think about the issue of global warming?
(Cont'd)****Panicked**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	0	0	0	0	0
Very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderately (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Very (%)	NaN	NaN	NaN	NaN	NaN	4
Moderately (%)	NaN	NaN	NaN	NaN	NaN	16
Not very (%)	NaN	NaN	NaN	NaN	NaN	32
Not at all (%)	NaN	NaN	NaN	NaN	NaN	47
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**How much do you agree 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
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
Strongly Agree (%)	4	4	5	5	7	5	4	6
Somewhat Agree (%)	28	19	24	27	28	30	34	33
Somewhat Disagree (%)	42	32	34	32	34	30	30	29
Strongly Disagree (%)	24	37	34	30	23	33	31	31
Refused (%)	2	7	3	6	8	2	0	2

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	0	1,204	1,226	1,266
Strongly Agree (%)	6	5	4	4	NaN	7	7	5
Somewhat Agree (%)	27	29	26	27	NaN	33	29	34
Somewhat Disagree (%)	30	29	29	29	NaN	29	29	29
Strongly Disagree (%)	36	35	41	40	NaN	31	35	31
Refused (%)	1	1	0	0	NaN	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
Strongly Agree (%)	8	5	11	6	10	9
Somewhat Agree (%)	36	36	35	32	35	35
Somewhat Disagree (%)	30	27	24	28	23	26
Strongly Disagree (%)	26	32	31	33	31	30
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**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
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
They are being harmed now (%)	33	24	28	31	29	29	36	34
In 10 years (%)	13	12	12	11	10	11	13	11
In 25 years (%)	13	13	11	13	13	13	11	12
In 50 years (%)	13	12	13	12	15	14	12	12
In 100 years (%)	12	13	14	11	15	15	13	13
Never (%)	14	23	19	19	16	15	15	17
Refused (%)	3	2	3	2	3	2	1	1

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	1,330	1,204	1,226	1,266
They are being harmed now (%)	34	32	33	32	34	38	36	35
In 10 years (%)	10	9	10	10	13	12	14	11
In 25 years (%)	14	14	14	13	14	13	15	13
In 50 years (%)	11	15	12	11	11	12	10	13
In 100 years (%)	12	14	13	13	10	10	9	13
Never (%)	18	16	18	20	18	14	16	15
Refused (%)	2	1	0	0	0	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
They are being harmed now (%)	42	39	48	38	45	45
In 10 years (%)	12	11	7	10	12	13
In 25 years (%)	12	12	14	13	12	12
In 50 years (%)	11	12	7	11	9	9
In 100 years (%)	11	11	9	12	9	8
Never (%)	12	15	14	15	14	13
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**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
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
A great deal (%)	9	13	10	11	9	11	16	15
Moderate amount (%)	22	23	21	18	20	18	26	25
Only a little (%)	24	21	27	27	28	30	25	26
Not at all (%)	22	30	24	25	24	29	20	23
Don't know (%)	23	11	18	17	16	11	13	11
Refused (%)	1	2	0	2	3	1	0	1

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	1,330	1,204	1,226	1,266
A great deal (%)	13	13	12	10	14	12	14	13
Moderate amount (%)	25	25	24	26	27	28	27	29
Only a little (%)	27	26	26	26	26	24	25	26
Not at all (%)	26	25	27	25	20	23	25	22
Don't know (%)	8	10	11	13	12	12	8	9
Refused (%)	1	1	0	0	0	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
A great deal (%)	16	14	22	14	18	13
Moderate amount (%)	33	28	27	29	26	29
Only a little (%)	24	27	20	24	24	26
Not at all (%)	19	20	20	25	22	21
Don't know (%)	7	11	10	8	11	10
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**How much do you think global warming will harm...? (Cont'd)****Your family**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
A great deal (%)	11	15	11	12	10	12	18	17
Moderate amount (%)	24	25	25	21	23	21	28	27
Only a little (%)	23	21	23	25	27	28	23	23
Not at all (%)	18	27	21	23	21	26	17	20
Don't know (%)	23	11	19	17	17	12	14	11
Refused (%)	1	2	0	2	2	1	0	1

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	0	1,204	1,226	1,266
A great deal (%)	17	16	15	13	NaN	15	17	16
Moderate amount (%)	25	27	28	28	NaN	30	30	31
Only a little (%)	25	24	23	23	NaN	22	24	25
Not at all (%)	24	21	23	22	NaN	21	21	19
Don't know (%)	8	11	11	13	NaN	12	8	9
Refused (%)	1	1	0	0	NaN	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
A great deal (%)	19	17	27	18	21	16
Moderate amount (%)	35	30	29	30	28	30
Only a little (%)	22	25	17	22	22	24
Not at all (%)	16	17	17	22	18	19
Don't know (%)	8	12	9	9	11	11
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**How much do you think global warming will harm...? (Cont'd)****People in your community**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
A great deal (%)	13	15	11	12	10	12	19	17
Moderate amount (%)	26	27	25	21	23	21	29	28
Only a little (%)	20	21	23	25	26	29	23	23
Not at all (%)	17	24	21	21	20	24	15	18
Don't know (%)	23	11	19	18	17	13	13	13
Refused (%)	1	3	0	2	3	2	0	1

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	0	1,204	1,226	1,266
A great deal (%)	14	16	16	14	NaN	15	19	16
Moderate amount (%)	29	28	27	29	NaN	31	30	32
Only a little (%)	24	24	23	24	NaN	23	22	23
Not at all (%)	23	20	22	20	NaN	19	20	18
Don't know (%)	9	11	11	14	NaN	12	9	10
Refused (%)	1	1	0	0	NaN	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
A great deal (%)	21	17	27	19	22	17
Moderate amount (%)	34	32	30	30	29	31
Only a little (%)	22	22	16	22	20	23
Not at all (%)	15	16	16	21	17	17
Don't know (%)	8	12	10	8	11	11
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**How much do you think global warming will harm...? (Cont'd)****People in the United States**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
A great deal (%)	21	22	16	16	15	18	26	22
Moderate amount (%)	28	28	28	26	28	28	31	30
Only a little (%)	15	15	21	22	23	23	17	18
Not at all (%)	13	21	17	17	16	17	12	16
Don't know (%)	22	12	17	18	16	12	13	12
Refused (%)	1	3	0	2	3	2	0	1

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	1,330	1,204	1,226	1,266
A great deal (%)	23	23	23	19	23	24	28	25
Moderate amount (%)	30	30	30	30	33	35	32	33
Only a little (%)	19	18	20	20	18	16	17	19
Not at all (%)	20	18	17	17	14	15	15	15
Don't know (%)	7	10	11	14	12	10	8	9
Refused (%)	1	1	0	0	0	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
A great deal (%)	34	28	38	30	35	29
Moderate amount (%)	33	30	27	28	30	33
Only a little (%)	14	18	12	15	12	16
Not at all (%)	11	12	13	17	13	12
Don't know (%)	7	12	10	9	10	10
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**How much do you think global warming will harm...? (Cont'd)****People in developing countries**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
A great deal (%)	31	28	22	23	22	26	35	30
Moderate amount (%)	21	24	27	21	27	25	29	25
Only a little (%)	10	14	17	19	17	18	10	18
Not at all (%)	13	19	15	16	15	16	11	13
Don't know (%)	24	13	18	18	17	14	15	13
Refused (%)	1	2	0	2	3	2	0	1

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	1,330	1,204	1,226	1,266
A great deal (%)	32	31	29	27	34	36	40	37
Moderate amount (%)	24	24	26	26	27	27	25	25
Only a little (%)	17	17	16	17	13	12	12	16
Not at all (%)	19	16	17	15	13	13	13	13
Don't know (%)	8	11	12	15	13	12	11	9
Refused (%)	1	1	0	0	0	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
A great deal (%)	47	38	48	42	48	44
Moderate amount (%)	25	24	20	22	19	22
Only a little (%)	10	12	8	11	8	10
Not at all (%)	10	12	11	15	12	10
Don't know (%)	9	13	13	10	12	14
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**How much do you think global warming will harm...? (Cont'd)****The world's poor**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	0	0	0	0	0	0	0
A great deal (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Moderate amount (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Only a little (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Don't know (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	1,259	1,330	1,204	1,226	1,266
A great deal (%)	NaN	NaN	NaN	30	36	40	43	39
Moderate amount (%)	NaN	NaN	NaN	23	25	22	21	23
Only a little (%)	NaN	NaN	NaN	16	12	12	11	15
Not at all (%)	NaN	NaN	NaN	16	13	13	13	13
Don't know (%)	NaN	NaN	NaN	15	13	14	12	10
Refused (%)	NaN	NaN	NaN	0	0	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
A great deal (%)	49	40	50	44	50	46
Moderate amount (%)	21	22	17	20	16	21
Only a little (%)	10	13	8	11	9	11
Not at all (%)	10	12	12	15	13	10
Don't know (%)	9	13	13	10	12	12
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**How much do you think global warming will harm...? (Cont'd)****Future generations of people**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
A great deal (%)	43	41	39	36	40	42	47	42
Moderate amount (%)	17	21	22	22	21	22	21	21
Only a little (%)	7	9	11	10	13	12	9	12
Not at all (%)	10	15	12	11	9	11	8	12
Don't know (%)	22	12	16	18	15	13	14	12
Refused (%)	2	3	1	3	2	1	0	1

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	1,330	1,204	1,226	1,266
A great deal (%)	46	49	46	42	51	48	53	50
Moderate amount (%)	19	18	18	21	19	22	18	20
Only a little (%)	11	10	11	10	8	8	9	10
Not at all (%)	15	11	13	12	11	10	10	11
Don't know (%)	9	11	13	15	11	11	10	8
Refused (%)	1	1	0	0	0	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
A great deal (%)	54	52	59	52	57	53
Moderate amount (%)	21	18	16	17	15	20
Only a little (%)	8	9	6	9	7	9
Not at all (%)	9	9	9	13	10	7
Don't know (%)	8	12	10	9	11	11
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**How much do you think global warming will harm...? (Cont'd)****Plant and animal species**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
A great deal (%)	45	41	40	38	40	43	43	39
Moderate amount (%)	17	19	20	18	18	21	25	24
Only a little (%)	8	10	12	12	15	13	11	13
Not at all (%)	9	15	13	12	9	10	8	13
Don't know (%)	20	12	15	17	14	12	13	10
Refused (%)	2	3	1	2	3	1	0	1

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	0	1,204	1,226	1,266
A great deal (%)	46	47	44	42	NaN	48	50	49
Moderate amount (%)	19	19	20	21	NaN	23	19	22
Only a little (%)	11	12	10	12	NaN	9	10	10
Not at all (%)	15	12	13	12	NaN	11	11	11
Don't know (%)	7	10	12	13	NaN	10	9	8
Refused (%)	1	1	0	0	NaN	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
A great deal (%)	54	53	58	52	57	54
Moderate amount (%)	21	18	16	19	16	19
Only a little (%)	9	9	8	10	7	9
Not at all (%)	8	9	9	11	10	8
Don't know (%)	7	10	9	8	10	10
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**In your opinion, over the next 10 years how much risk does global warming pose to your community?**

	Nov 2016	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	0	0	1,029
High risk (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	14
Moderate risk (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	37
Low risk (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	27
No risk (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	11
Don't know (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	11
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)

Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it?

Heat stroke caused by extreme heat waves

	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	1,275	0	0	0	0	0
Much more common (%)	4	NaN	NaN	NaN	NaN	NaN
Somewhat more common (%)	9	NaN	NaN	NaN	NaN	NaN
A little more common (%)	23	NaN	NaN	NaN	NaN	NaN
Will stay about the same (%)	45	NaN	NaN	NaN	NaN	NaN
A little less common (%)	3	NaN	NaN	NaN	NaN	NaN
Somewhat less common (%)	4	NaN	NaN	NaN	NaN	NaN
Much less common (%)	8	NaN	NaN	NaN	NaN	NaN
Refused (%)	3	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Much more common (%)	NaN	NaN	NaN	NaN	NaN	15
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	17
A little more common (%)	NaN	NaN	NaN	NaN	NaN	26
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	32
A little less common (%)	NaN	NaN	NaN	NaN	NaN	2
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	2
Much less common (%)	NaN	NaN	NaN	NaN	NaN	5
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it? (Cont'd)****Bodily harm from severe storms and/or hurricanes**

	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	1,275	0	0	0	0	0
Much more common (%)	5	NaN	NaN	NaN	NaN	NaN
Somewhat more common (%)	9	NaN	NaN	NaN	NaN	NaN
A little more common (%)	20	NaN	NaN	NaN	NaN	NaN
Will stay about the same (%)	45	NaN	NaN	NaN	NaN	NaN
A little less common (%)	5	NaN	NaN	NaN	NaN	NaN
Somewhat less common (%)	5	NaN	NaN	NaN	NaN	NaN
Much less common (%)	8	NaN	NaN	NaN	NaN	NaN
Refused (%)	2	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Much more common (%)	NaN	NaN	NaN	NaN	NaN	15
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	16
A little more common (%)	NaN	NaN	NaN	NaN	NaN	26
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	32
A little less common (%)	NaN	NaN	NaN	NaN	NaN	3
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	2
Much less common (%)	NaN	NaN	NaN	NaN	NaN	5
Refused (%)	NaN	NaN	NaN	NaN	NaN	2

(Base: Americans 18+)**Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it? (Cont'd)****Bodily harm from wildfires (including from smoke inhalation)**

	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	1,275	0	0	0	0	0
Much more common (%)	4	NaN	NaN	NaN	NaN	NaN
Somewhat more common (%)	6	NaN	NaN	NaN	NaN	NaN
A little more common (%)	16	NaN	NaN	NaN	NaN	NaN
Will stay about the same (%)	51	NaN	NaN	NaN	NaN	NaN
A little less common (%)	6	NaN	NaN	NaN	NaN	NaN
Somewhat less common (%)	5	NaN	NaN	NaN	NaN	NaN
Much less common (%)	9	NaN	NaN	NaN	NaN	NaN
Refused (%)	2	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Much more common (%)	NaN	NaN	NaN	NaN	NaN	15
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	15
A little more common (%)	NaN	NaN	NaN	NaN	NaN	24
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	35
A little less common (%)	NaN	NaN	NaN	NaN	NaN	2
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	2
Much less common (%)	NaN	NaN	NaN	NaN	NaN	5
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it? (Cont'd)****Diseases carried by insects, such as Lyme disease, West Nile virus, and/or dengue fever**

	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	1,275	0	0	0	0	0
Much more common (%)	4	NaN	NaN	NaN	NaN	NaN
Somewhat more common (%)	8	NaN	NaN	NaN	NaN	NaN
A little more common (%)	21	NaN	NaN	NaN	NaN	NaN
Will stay about the same (%)	48	NaN	NaN	NaN	NaN	NaN
A little less common (%)	4	NaN	NaN	NaN	NaN	NaN
Somewhat less common (%)	4	NaN	NaN	NaN	NaN	NaN
Much less common (%)	8	NaN	NaN	NaN	NaN	NaN
Refused (%)	2	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Much more common (%)	NaN	NaN	NaN	NaN	NaN	13
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	16
A little more common (%)	NaN	NaN	NaN	NaN	NaN	24
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	35
A little less common (%)	NaN	NaN	NaN	NaN	NaN	4
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	2
Much less common (%)	NaN	NaN	NaN	NaN	NaN	4
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it? (Cont'd)****Asthma and/or other lung diseases**

	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	1,275	0	0	0	0	0
Much more common (%)	6	NaN	NaN	NaN	NaN	NaN
Somewhat more common (%)	11	NaN	NaN	NaN	NaN	NaN
A little more common (%)	20	NaN	NaN	NaN	NaN	NaN
Will stay about the same (%)	45	NaN	NaN	NaN	NaN	NaN
A little less common (%)	4	NaN	NaN	NaN	NaN	NaN
Somewhat less common (%)	4	NaN	NaN	NaN	NaN	NaN
Much less common (%)	8	NaN	NaN	NaN	NaN	NaN
Refused (%)	2	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Much more common (%)	NaN	NaN	NaN	NaN	NaN	13
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	16
A little more common (%)	NaN	NaN	NaN	NaN	NaN	24
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	35
A little less common (%)	NaN	NaN	NaN	NaN	NaN	3
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	2
Much less common (%)	NaN	NaN	NaN	NaN	NaN	4
Refused (%)	NaN	NaN	NaN	NaN	NaN	2

(Base: Americans 18+)**Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it? (Cont'd)****Bodily harm from flooding**

	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	1,275	0	0	0	0	0
Much more common (%)	4	NaN	NaN	NaN	NaN	NaN
Somewhat more common (%)	6	NaN	NaN	NaN	NaN	NaN
A little more common (%)	17	NaN	NaN	NaN	NaN	NaN
Will stay about the same (%)	50	NaN	NaN	NaN	NaN	NaN
A little less common (%)	5	NaN	NaN	NaN	NaN	NaN
Somewhat less common (%)	5	NaN	NaN	NaN	NaN	NaN
Much less common (%)	10	NaN	NaN	NaN	NaN	NaN
Refused (%)	3	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Much more common (%)	NaN	NaN	NaN	NaN	NaN	10
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	16
A little more common (%)	NaN	NaN	NaN	NaN	NaN	26
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	36
A little less common (%)	NaN	NaN	NaN	NaN	NaN	3
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	2
Much less common (%)	NaN	NaN	NaN	NaN	NaN	6
Refused (%)	NaN	NaN	NaN	NaN	NaN	2

(Base: Americans 18+)**Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it? (Cont'd)****Pollen-related allergies**

	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	1,275	0	0	0	0	0
Much more common (%)	7	NaN	NaN	NaN	NaN	NaN
Somewhat more common (%)	11	NaN	NaN	NaN	NaN	NaN
A little more common (%)	20	NaN	NaN	NaN	NaN	NaN
Will stay about the same (%)	45	NaN	NaN	NaN	NaN	NaN
A little less common (%)	4	NaN	NaN	NaN	NaN	NaN
Somewhat less common (%)	3	NaN	NaN	NaN	NaN	NaN
Much less common (%)	7	NaN	NaN	NaN	NaN	NaN
Refused (%)	3	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Much more common (%)	NaN	NaN	NaN	NaN	NaN	15
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	14
A little more common (%)	NaN	NaN	NaN	NaN	NaN	22
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	38
A little less common (%)	NaN	NaN	NaN	NaN	NaN	3
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	2
Much less common (%)	NaN	NaN	NaN	NaN	NaN	4
Refused (%)	NaN	NaN	NaN	NaN	NaN	2

(Base: Americans 18+)**Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it? (Cont'd)****Illness caused by food and/or water containing harmful bacteria or viruses**

	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	1,275	0	0	0	0	0
Much more common (%)	5	NaN	NaN	NaN	NaN	NaN
Somewhat more common (%)	7	NaN	NaN	NaN	NaN	NaN
A little more common (%)	20	NaN	NaN	NaN	NaN	NaN
Will stay about the same (%)	48	NaN	NaN	NaN	NaN	NaN
A little less common (%)	5	NaN	NaN	NaN	NaN	NaN
Somewhat less common (%)	4	NaN	NaN	NaN	NaN	NaN
Much less common (%)	8	NaN	NaN	NaN	NaN	NaN
Refused (%)	2	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Much more common (%)	NaN	NaN	NaN	NaN	NaN	12
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	14
A little more common (%)	NaN	NaN	NaN	NaN	NaN	25
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	37
A little less common (%)	NaN	NaN	NaN	NaN	NaN	3
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	3
Much less common (%)	NaN	NaN	NaN	NaN	NaN	5
Refused (%)	NaN	NaN	NaN	NaN	NaN	2

(Base: Americans 18+)**Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it? (Cont'd)****Global pandemics**

	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	0	0	0
Much more common (%)	NaN	NaN	NaN	NaN	NaN	NaN
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	NaN
A little more common (%)	NaN	NaN	NaN	NaN	NaN	NaN
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	NaN
A little less common (%)	NaN	NaN	NaN	NaN	NaN	NaN
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	NaN
Much less common (%)	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Much more common (%)	NaN	NaN	NaN	NaN	NaN	14
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	14
A little more common (%)	NaN	NaN	NaN	NaN	NaN	22
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	36
A little less common (%)	NaN	NaN	NaN	NaN	NaN	5
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	3
Much less common (%)	NaN	NaN	NaN	NaN	NaN	4
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it? (Cont'd)****Infections with Coronavirus (COVID-19)**

	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	0	0	0
Much more common (%)	NaN	NaN	NaN	NaN	NaN	NaN
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	NaN
A little more common (%)	NaN	NaN	NaN	NaN	NaN	NaN
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	NaN
A little less common (%)	NaN	NaN	NaN	NaN	NaN	NaN
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	NaN
Much less common (%)	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Much more common (%)	NaN	NaN	NaN	NaN	NaN	14
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	15
A little more common (%)	NaN	NaN	NaN	NaN	NaN	16
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	38
A little less common (%)	NaN	NaN	NaN	NaN	NaN	6
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	3
Much less common (%)	NaN	NaN	NaN	NaN	NaN	6
Refused (%)	NaN	NaN	NaN	NaN	NaN	2

(Base: Americans 18+)**Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it? (Cont'd)****Severe anxiety**

	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	1,275	0	0	0	0	0
Much more common (%)	5	NaN	NaN	NaN	NaN	NaN
Somewhat more common (%)	6	NaN	NaN	NaN	NaN	NaN
A little more common (%)	16	NaN	NaN	NaN	NaN	NaN
Will stay about the same (%)	54	NaN	NaN	NaN	NaN	NaN
A little less common (%)	4	NaN	NaN	NaN	NaN	NaN
Somewhat less common (%)	4	NaN	NaN	NaN	NaN	NaN
Much less common (%)	8	NaN	NaN	NaN	NaN	NaN
Refused (%)	3	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Much more common (%)	NaN	NaN	NaN	NaN	NaN	9
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	11
A little more common (%)	NaN	NaN	NaN	NaN	NaN	25
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	44
A little less common (%)	NaN	NaN	NaN	NaN	NaN	4
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	2
Much less common (%)	NaN	NaN	NaN	NaN	NaN	5
Refused (%)	NaN	NaN	NaN	NaN	NaN	2

(Base: Americans 18+)**Do you think each of the following will become more or less common in your community over the next 10 years as a result of global warming if nothing is done to address it? (Cont'd)****Depression**

	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	1,275	0	0	0	0	0
Much more common (%)	4	NaN	NaN	NaN	NaN	NaN
Somewhat more common (%)	7	NaN	NaN	NaN	NaN	NaN
A little more common (%)	15	NaN	NaN	NaN	NaN	NaN
Will stay about the same (%)	53	NaN	NaN	NaN	NaN	NaN
A little less common (%)	4	NaN	NaN	NaN	NaN	NaN
Somewhat less common (%)	4	NaN	NaN	NaN	NaN	NaN
Much less common (%)	8	NaN	NaN	NaN	NaN	NaN
Refused (%)	3	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Much more common (%)	NaN	NaN	NaN	NaN	NaN	9
Somewhat more common (%)	NaN	NaN	NaN	NaN	NaN	11
A little more common (%)	NaN	NaN	NaN	NaN	NaN	21
Will stay about the same (%)	NaN	NaN	NaN	NaN	NaN	47
A little less common (%)	NaN	NaN	NaN	NaN	NaN	4
Somewhat less common (%)	NaN	NaN	NaN	NaN	NaN	3
Much less common (%)	NaN	NaN	NaN	NaN	NaN	4
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**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
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
Often (%)	5	6	5	4	4	5	3	4
Occasionally (%)	35	29	30	26	26	24	26	28
Rarely (%)	33	34	39	41	39	40	38	39
Never (%)	26	30	25	28	29	30	34	28
Refused (%)	1	2	0	1	2	1	0	0

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	1,330	1,204	1,226	1,266
Often (%)	3	4	3	3	5	4	6	5
Occasionally (%)	23	28	24	23	29	27	27	28
Rarely (%)	38	39	36	38	33	36	36	36
Never (%)	34	29	37	36	32	32	31	31
Refused (%)	1	0	0	0	0	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
Often (%)	6	5	8	6	9	5
Occasionally (%)	32	30	34	31	32	31
Rarely (%)	37	34	33	33	32	38
Never (%)	25	31	26	30	27	26
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**About how often do you hear about global warming in the media (TV, movies, radio, newspapers/news websites, magazines, etc.)?**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	0	1,266	1,304	1,278
At least once a week (%)	19	25	22	NaN	23	24	20
At least once a month (%)	21	23	22	NaN	20	28	23
Several times a year (%)	30	26	26	NaN	26	25	28
Once a year or less often (%)	8	8	8	NaN	9	7	9
Never (%)	6	6	7	NaN	9	3	7
Not sure (%)	15	11	15	NaN	11	13	12
Refused (%)	0	1	0	NaN	1	1	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,114	1,291	1,303	1,029
At least once a week (%)	34	31	35	24
At least once a month (%)	22	20	21	24
Several times a year (%)	22	21	19	24
Once a year or less often (%)	5	6	6	8
Never (%)	6	8	6	8
Not sure (%)	8	13	13	12
Refused (%)	2	1	1	1

(Base: Americans 18+)**About how often do you hear people you know (your family, friends, co-workers, etc.) talk about global warming?**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	0	1,266	1,304	1,278
At least once a week (%)	4	6	5	NaN	6	7	5
At least once a month (%)	12	15	13	NaN	13	17	15
Several times a year (%)	23	22	25	NaN	21	24	24
Once a year or less often (%)	21	22	19	NaN	22	21	20
Never (%)	25	26	24	NaN	28	18	22
Not sure (%)	14	9	13	NaN	10	12	13
Refused (%)	0	1	1	NaN	1	1	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,114	1,291	1,303	1,029
At least once a week (%)	9	8	8	6
At least once a month (%)	17	15	16	16
Several times a year (%)	24	23	23	24
Once a year or less often (%)	19	16	15	23
Never (%)	22	24	25	24
Not sure (%)	7	12	12	8
Refused (%)	1	1	1	1

(Base: Americans 18+)**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
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
Extremely important (%)	10	5	6	7	6	6	6	8
Very important (%)	20	14	18	15	13	14	17	13
Somewhat important (%)	39	37	38	37	40	40	36	36
Not too important (%)	18	23	24	24	24	23	24	24
Not at all important (%)	11	19	14	14	15	16	17	18
Refused (%)	1	2	0	2	2	2	0	0

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	1,330	1,204	1,226	1,266
Extremely important (%)	8	8	5	6	7	9	10	10
Very important (%)	14	17	16	15	18	17	17	16
Somewhat important (%)	33	38	37	35	37	35	34	38
Not too important (%)	25	21	24	24	21	21	22	22
Not at all important (%)	18	16	18	20	17	17	16	15
Refused (%)	1	0	0	0	0	0	0	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,304	1,278	1,114	1,291	1,303	1,029
Extremely important (%)	12	10	16	12	18	13
Very important (%)	19	18	24	18	24	24
Somewhat important (%)	37	35	32	33	26	29
Not too important (%)	19	22	15	19	18	20
Not at all important (%)	14	15	14	17	16	13
Refused (%)	0	0	0	0	0	0

(Base: Americans 18+)**How important is it to your family and friends that you take action to reduce global warming?**

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,266	0	0	1,114	1,291	1,303	1,029
Extremely important (%)	5	NaN	NaN	6	5	6	5
Very important (%)	13	NaN	NaN	13	14	11	12
Somewhat important (%)	27	NaN	NaN	27	26	26	30
Not too important (%)	23	NaN	NaN	19	17	20	20
Not at all important (%)	20	NaN	NaN	18	19	19	17
Don't know (%)	11	NaN	NaN	16	17	17	15
Refused (%)	0	NaN	NaN	1	2	1	0

(Base: Americans 18+)**How much of an effort do your family and friends make to reduce global warming?**

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,266	0	0	1,114	1,291	1,303	1,029
A great deal of effort (%)	3	NaN	NaN	4	3	3	2
A lot of effort (%)	8	NaN	NaN	7	8	7	6
A moderate amount of effort (%)	31	NaN	NaN	29	30	30	37
A little effort (%)	29	NaN	NaN	29	24	28	29
No effort (%)	19	NaN	NaN	16	19	16	12
Don't know (%)	10	NaN	NaN	14	15	15	14
Refused (%)	0	NaN	NaN	1	1	1	0

(Base: Americans 18+)

Please indicate how strongly you agree or disagree with the following statement:

I feel a personal sense of responsibility to help reduce global warming

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	0	1,029
Strongly agree (%)	NaN	NaN	NaN	NaN	NaN	NaN	22
Somewhat agree (%)	NaN	NaN	NaN	NaN	NaN	NaN	44
Somewhat disagree (%)	NaN	NaN	NaN	NaN	NaN	NaN	18
Strongly disagree (%)	NaN	NaN	NaN	NaN	NaN	NaN	16
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	0

(Base: Americans 18+)**Please indicate how strongly you agree or disagree with the following statement:****It's already too late to do anything about global warming**

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	726	0	0	0	0	0	0	0
Strongly disagree (%)	30	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Somewhat disagree (%)	32	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Somewhat agree (%)	12	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Strongly agree (%)	2	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Don't know (%)	17	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Prefer not to answer (%)	3	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	3	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	1,114	1,291	1,303	1,029
Strongly disagree (%)	NaN	NaN	38	39	38	44
Somewhat disagree (%)	NaN	NaN	28	25	28	24
Somewhat agree (%)	NaN	NaN	12	9	9	9
Strongly agree (%)	NaN	NaN	2	3	3	2
Don't know (%)	NaN	NaN	15	17	16	14
Prefer not to answer (%)	NaN	NaN	4	5	5	6
Refused (%)	NaN	NaN	1	1	1	0

(Base: Americans 18+)**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
(Unweighted Base)	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045
Strongly Agree (%)	4	5	6	7	6	6	5	5
Somewhat Agree (%)	25	40	31	37	37	29	34	32
Somewhat Disagree (%)	44	32	38	31	35	35	35	35
Strongly Disagree (%)	24	18	20	20	15	27	25	25
Refused (%)	3	6	4	5	7	2	1	2

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	830	1,013	1,275	1,263	0	1,204	0	1,266
Strongly Agree (%)	6	4	6	6	NaN	8	NaN	7
Somewhat Agree (%)	32	29	35	33	NaN	36	NaN	37
Somewhat Disagree (%)	34	39	33	36	NaN	33	NaN	37
Strongly Disagree (%)	26	27	26	25	NaN	22	NaN	19
Refused (%)	1	1	0	0	NaN	0	NaN	0

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,278	0	1,291	1,303	1,029
Strongly Agree (%)	NaN	8	NaN	10	12	7
Somewhat Agree (%)	NaN	38	NaN	39	36	39
Somewhat Disagree (%)	NaN	33	NaN	33	31	34
Strongly Disagree (%)	NaN	21	NaN	18	21	19
Refused (%)	NaN	0	NaN	0	0	0

(Base: Americans 18+)**In your opinion, do you think global warming is a(n)...****Environmental Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	1,226	0	1,304	1,278
Yes (%)	76	77	78	76	NaN	78	74
No (%)	11	11	10	11	NaN	11	11
Not sure (%)	12	11	12	11	NaN	10	14
Refused (%)	1	1	1	1	NaN	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	75	NaN	82
No (%)	NaN	13	NaN	9
Not sure (%)	NaN	11	NaN	8
Refused (%)	NaN	1	NaN	1

In your opinion, do you think global warming is a(n)... (Cont'd)**Scientific Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	1,226	0	1,304	1,278
Yes (%)	71	73	71	70	NaN	71	68
No (%)	13	13	14	15	NaN	15	14
Not sure (%)	15	14	14	14	NaN	13	16
Refused (%)	2	1	1	1	NaN	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	69	NaN	74
No (%)	NaN	17	NaN	14
Not sure (%)	NaN	13	NaN	11
Refused (%)	NaN	1	NaN	1

In your opinion, do you think global warming is a(n)... (Cont'd)**Agricultural (Farming, Food) Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	1,226	0	1,304	1,278
Yes (%)	64	65	62	65	NaN	66	62
No (%)	19	17	22	20	NaN	19	19
Not sure (%)	16	16	15	15	NaN	14	16
Refused (%)	2	1	1	1	NaN	1	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	63	NaN	67
No (%)	NaN	22	NaN	19
Not sure (%)	NaN	14	NaN	13
Refused (%)	NaN	1	NaN	0

In your opinion, do you think global warming is a(n)... (Cont'd)**Severe Weather Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	0	0	1,204	1,226	0	1,304	1,278
Yes (%)	NaN	NaN	63	61	NaN	65	61
No (%)	NaN	NaN	19	23	NaN	19	19
Not sure (%)	NaN	NaN	17	15	NaN	15	17
Refused (%)	NaN	NaN	1	1	NaN	1	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	64	NaN	64
No (%)	NaN	21	NaN	22
Not sure (%)	NaN	13	NaN	13
Refused (%)	NaN	1	NaN	0

In your opinion, do you think global warming is a(n)... (Cont'd)**Economic Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	1,226	0	1,304	1,278
Yes (%)	60	63	61	60	NaN	60	57
No (%)	22	19	23	23	NaN	23	22
Not sure (%)	16	17	15	16	NaN	15	19
Refused (%)	2	1	1	1	NaN	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	54	NaN	64
No (%)	NaN	29	NaN	22
Not sure (%)	NaN	15	NaN	14
Refused (%)	NaN	1	NaN	1

In your opinion, do you think global warming is a(n)... (Cont'd)**Humanitarian Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	0	0	0	0	0	0	0
Yes (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN
No (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not sure (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	51	NaN	61
No (%)	NaN	33	NaN	24
Not sure (%)	NaN	15	NaN	15
Refused (%)	NaN	1	NaN	1

In your opinion, do you think global warming is a(n)... (Cont'd)**Health Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	1,226	0	1,304	1,278
Yes (%)	58	62	61	62	NaN	62	60
No (%)	23	21	22	22	NaN	23	21
Not sure (%)	17	16	16	15	NaN	13	17
Refused (%)	2	1	1	1	NaN	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	58	NaN	60
No (%)	NaN	27	NaN	25
Not sure (%)	NaN	14	NaN	14
Refused (%)	NaN	1	NaN	1

In your opinion, do you think global warming is a(n)... (Cont'd)**Political Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	1,226	0	1,304	1,278
Yes (%)	54	56	56	56	NaN	60	58
No (%)	27	26	27	28	NaN	24	23
Not sure (%)	17	17	16	15	NaN	14	17
Refused (%)	2	1	1	1	NaN	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	57	NaN	60
No (%)	NaN	28	NaN	27
Not sure (%)	NaN	14	NaN	13
Refused (%)	NaN	1	NaN	0

In your opinion, do you think global warming is a(n)... (Cont'd)**Moral Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	1,226	0	1,304	1,278
Yes (%)	35	41	39	37	NaN	41	41
No (%)	44	39	41	45	NaN	42	36
Not sure (%)	19	19	19	17	NaN	15	20
Refused (%)	2	1	1	1	NaN	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	38	NaN	50
No (%)	NaN	44	NaN	33
Not sure (%)	NaN	17	NaN	16
Refused (%)	NaN	1	NaN	1

In your opinion, do you think global warming is a(n)... (Cont'd)**Poverty Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	1,226	0	1,304	1,278
Yes (%)	24	25	27	25	NaN	28	28
No (%)	53	50	51	54	NaN	52	47
Not sure (%)	21	24	22	20	NaN	18	23
Refused (%)	2	1	1	1	NaN	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	29	NaN	32
No (%)	NaN	54	NaN	50
Not sure (%)	NaN	16	NaN	17
Refused (%)	NaN	1	NaN	1

In your opinion, do you think global warming is a(n)... (Cont'd)**National Security Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	1,226	0	1,304	1,278
Yes (%)	26	23	26	27	NaN	29	25
No (%)	53	50	51	53	NaN	50	49
Not sure (%)	20	26	21	19	NaN	19	24
Refused (%)	1	1	1	1	NaN	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	27	NaN	31
No (%)	NaN	55	NaN	49
Not sure (%)	NaN	17	NaN	19
Refused (%)	NaN	1	NaN	1

In your opinion, do you think global warming is a(n)... (Cont'd)**Social Justice (Fairness) Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	1,226	0	1,304	1,278
Yes (%)	23	27	23	24	NaN	26	29
No (%)	53	46	51	52	NaN	51	46
Not sure (%)	22	25	25	22	NaN	20	24
Refused (%)	2	1	1	1	NaN	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	24	NaN	29
No (%)	NaN	56	NaN	48
Not sure (%)	NaN	19	NaN	22
Refused (%)	NaN	1	NaN	1

In your opinion, do you think global warming is a(n)... (Cont'd)**Religious Issue**

	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
(Unweighted Base)	1,263	1,330	1,204	1,226	0	1,304	1,278
Yes (%)	10	12	10	8	NaN	9	13
No (%)	71	67	71	73	NaN	77	64
Not sure (%)	18	20	17	17	NaN	12	20
Refused (%)	2	1	1	1	NaN	2	3

	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	1,291	0	1,029
Yes (%)	NaN	9	NaN	9
No (%)	NaN	75	NaN	77
Not sure (%)	NaN	15	NaN	14
Refused (%)	NaN	1	NaN	0

(Base: Americans 18+)

Which statement best reflects your view?

[(a) Global warming is affecting weather in the U.S.; (b) Global warming is not affecting weather in the U.S.; (c) Global warming isn't happening; (d) Don't know; (e) Prefer not to answer]

[For those who respond "global warming is affecting weather in the United States"]

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

	Apr 2013	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016
(Unweighted Base)	510	406	1,013	0	0	0	1,204	1,226
Global warming is affecting weather in the United States (%)	58	56	57	NaN	NaN	NaN	60	59
<i>Affecting weather a lot (%)</i>	23	22	22	NaN	NaN	NaN	24	24
<i>Affecting weather some (%)</i>	27	26	25	NaN	NaN	NaN	28	26
<i>Affecting weather a little (%)</i>	6	6	8	NaN	NaN	NaN	7	8
<i>Don't know/refused (%)</i>	2	2	2	NaN	NaN	NaN	1	2
<i>Prefer not to answer (%)</i>	0	0	0	NaN	NaN	NaN	0	0
Global warming is not affecting weather in the United States (%)	7	7	8	NaN	NaN	NaN	5	7
Global warming isn't happening (%)	10	13	10	NaN	NaN	NaN	9	9
Don't know (%)	19	17	19	NaN	NaN	NaN	20	21
Prefer not to answer/refused (%)	6	7	6	NaN	NaN	NaN	6	4

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,266	1,304	1,278	1,114	1,291	1,303	1,029
Global warming is affecting weather in the United States (%)	59	64	61	65	60	64	66
<i>Affecting weather a lot (%)</i>	25	33	29	32	28	31	33
<i>Affecting weather some (%)</i>	27	23	25	26	22	25	25
<i>Affecting weather a little (%)</i>	5	6	6	5	7	6	6
<i>Don't know/refused (%)</i>	2	2	1	2	2	2	1
<i>Prefer not to answer (%)</i>	0	0	0	0	0	0	0
Global warming is not affecting weather in the United States (%)	5	6	5	6	7	6	5
Global warming isn't happening (%)	10	8	9	8	11	9	7
Don't know (%)	21	18	18	15	18	16	17
Prefer not to answer/refused (%)	5	5	7	5	5	5	5

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

	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,278	1,114	1,291	1,303	1,029
Very worried (%)	13	11	13	14	12
Moderately worried (%)	21	21	23	22	22
A little worried (%)	29	29	34	28	32
Not at all worried (%)	36	39	30	36	33
Refused (%)	1	0	0	0	0

Drought

	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,278	1,114	1,291	1,303	1,029
Very worried (%)	11	10	10	11	9
Moderately worried (%)	19	17	21	20	17
A little worried (%)	31	31	34	30	39
Not at all worried (%)	39	42	35	39	35
Refused (%)	1	0	0	1	0

Flooding

	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,278	1,114	1,291	1,303	1,029
Very worried (%)	7	6	9	9	6
Moderately worried (%)	22	17	19	19	17
A little worried (%)	31	38	32	30	37
Not at all worried (%)	39	39	40	41	40
Refused (%)	1	0	0	1	1

How worried are you that the following might harm your local area? (Cont'd)**Water shortages**

	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,278	1,114	1,291	1,303	1,029
Very worried (%)	9	8	10	9	10
Moderately worried (%)	17	14	17	18	15
A little worried (%)	25	29	31	27	31
Not at all worried (%)	48	49	41	45	44
Refused (%)	1	0	0	0	0

Wildfires

	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,278	1,114	1,291	1,303	1,029
Very worried (%)	9	9	9	10	9
Moderately worried (%)	12	13	14	13	12
A little worried (%)	21	20	25	20	25
Not at all worried (%)	57	59	51	56	52
Refused (%)	1	0	0	0	1

Hurricanes

	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,278	1,114	1,291	1,303	1,029
Very worried (%)	9	8	9	9	8
Moderately worried (%)	12	12	14	13	13
A little worried (%)	17	20	16	18	20
Not at all worried (%)	62	59	60	59	58
Refused (%)	1	0	0	1	1

How worried are you that the following might harm your local area? (Cont'd)**Reduced snowpack**

	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,278	1,114	1,291	1,303	1,029
Very worried (%)	5	5	4	5	5
Moderately worried (%)	10	11	10	12	10
A little worried (%)	16	21	19	20	23
Not at all worried (%)	68	63	66	62	62
Refused (%)	1	0	0	1	0

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

	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	1,204	0	0	1,304	0	0	0	1,303	1,029
High risk (%)	10	NaN	NaN	15	NaN	NaN	NaN	18	16
Moderate risk (%)	40	NaN	NaN	42	NaN	NaN	NaN	38	40
Low risk (%)	33	NaN	NaN	30	NaN	NaN	NaN	31	33
No risk (%)	5	NaN	NaN	5	NaN	NaN	NaN	7	5
Don't know (%)	11	NaN	NaN	8	NaN	NaN	NaN	7	5
Refused (%)	0	NaN	NaN	0	NaN	NaN	NaN	0	0

(Base: Americans 18+)

In your opinion, how much priority should your state and local governments give to protecting each of the following from the effects of global warming over the next 10 years?

Agricultural

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	0	1,029
High priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	55
Medium priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	25
Low priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	7
Not a priority at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	5
Don't know (%)	NaN	NaN	NaN	NaN	NaN	NaN	7
Doesn't apply (%)	NaN	NaN	NaN	NaN	NaN	NaN	1
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	1

Public water supplies

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	0	1,029
High priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	55
Medium priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	24
Low priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	7
Not a priority at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	4
Don't know (%)	NaN	NaN	NaN	NaN	NaN	NaN	6
Doesn't apply (%)	NaN	NaN	NaN	NaN	NaN	NaN	2
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	1

People's health

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	0	1,029
High priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	55
Medium priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	23
Low priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	8
Not a priority at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	6
Don't know (%)	NaN	NaN	NaN	NaN	NaN	NaN	6
Doesn't apply (%)	NaN	NaN	NaN	NaN	NaN	NaN	1
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**In your opinion, how much priority should your state and local governments give to protecting each of the following from the effects of global warming over the next 10 years? (Cont'd)****Forests**

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	0	1,029
High priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	45
Medium priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	30
Low priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	10
Not a priority at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	5
Don't know (%)	NaN	NaN	NaN	NaN	NaN	NaN	7
Doesn't apply (%)	NaN	NaN	NaN	NaN	NaN	NaN	2
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	1

The electricity system

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	0	1,029
High priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	41
Medium priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	33
Low priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	11
Not a priority at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	5
Don't know (%)	NaN	NaN	NaN	NaN	NaN	NaN	6
Doesn't apply (%)	NaN	NaN	NaN	NaN	NaN	NaN	2
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	1

Coastlines/Wetlands

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	0	1,029
High priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	40
Medium priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	31
Low priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	10
Not a priority at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	6
Don't know (%)	NaN	NaN	NaN	NaN	NaN	NaN	7
Doesn't apply (%)	NaN	NaN	NaN	NaN	NaN	NaN	4
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	2

(Base: Americans 18+)**In your opinion, how much priority should your state and local governments give to protecting each of the following from the effects of global warming over the next 10 years? (Cont'd)****Public sewer systems**

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	0	1,029
High priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	37
Medium priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	35
Low priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	12
Not a priority at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	6
Don't know (%)	NaN	NaN	NaN	NaN	NaN	NaN	7
Doesn't apply (%)	NaN	NaN	NaN	NaN	NaN	NaN	3
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	1

Transportation/roads/bridges

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	0	1,029
High priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	36
Medium priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	35
Low priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	12
Not a priority at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	7
Don't know (%)	NaN	NaN	NaN	NaN	NaN	NaN	7
Doesn't apply (%)	NaN	NaN	NaN	NaN	NaN	NaN	3
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	2

State and local parks

	May 2017	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	0	1,029
High priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	30
Medium priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	37
Low priority (%)	NaN	NaN	NaN	NaN	NaN	NaN	17
Not a priority at all (%)	NaN	NaN	NaN	NaN	NaN	NaN	6
Don't know (%)	NaN	NaN	NaN	NaN	NaN	NaN	6
Doesn't apply (%)	NaN	NaN	NaN	NaN	NaN	NaN	2
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**Personally, how well informed do you feel you are about global warming**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013
(Unweighted Base)	0	0	1,024	1,010	1,000	0	0	0
Very well informed (%)	NaN	NaN	12	10	7	NaN	NaN	NaN
Fairly well informed (%)	NaN	NaN	49	50	48	NaN	NaN	NaN
Not very well informed (%)	NaN	NaN	35	34	35	NaN	NaN	NaN
Not at all informed (%)	NaN	NaN	3	5	8	NaN	NaN	NaN
Refused (%)	NaN	NaN	0	1	2	NaN	NaN	NaN

	Nov 2013	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017
(Unweighted Base)	0	0	0	0	0	0	0	0
Very well informed (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Fairly well informed (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not very well informed (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Not at all informed (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Refused (%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Very well informed (%)	NaN	NaN	NaN	NaN	NaN	10
Fairly well informed (%)	NaN	NaN	NaN	NaN	NaN	50
Not very well informed (%)	NaN	NaN	NaN	NaN	NaN	34
Not at all informed (%)	NaN	NaN	NaN	NaN	NaN	5
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**How interested are you in news stories about the following topics?****Actions that are being taken by the U.S. government in response to global warming**

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Extremely interested (%)	NaN	NaN	NaN	NaN	NaN	14
Very interested (%)	NaN	NaN	NaN	NaN	NaN	23
Moderately interested (%)	NaN	NaN	NaN	NaN	NaN	23
A little interested (%)	NaN	NaN	NaN	NaN	NaN	21
Not at all interested (%)	NaN	NaN	NaN	NaN	NaN	18
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

Actions that the presidential candidates plan to take in response to global warming

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Extremely interested (%)	NaN	NaN	NaN	NaN	NaN	17
Very interested (%)	NaN	NaN	NaN	NaN	NaN	21
Moderately interested (%)	NaN	NaN	NaN	NaN	NaN	22
A little interested (%)	NaN	NaN	NaN	NaN	NaN	20
Not at all interested (%)	NaN	NaN	NaN	NaN	NaN	20
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

Actions that are being taken in your local community in response to global warming

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Extremely interested (%)	NaN	NaN	NaN	NaN	NaN	11
Very interested (%)	NaN	NaN	NaN	NaN	NaN	21
Moderately interested (%)	NaN	NaN	NaN	NaN	NaN	27
A little interested (%)	NaN	NaN	NaN	NaN	NaN	21
Not at all interested (%)	NaN	NaN	NaN	NaN	NaN	19
Refused (%)	NaN	NaN	NaN	NaN	NaN	2

(Base: Americans 18+)**How interested are you in news stories about the following topics? (Cont'd)****The impacts of global warming on your local community**

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Extremely interested (%)	NaN	NaN	NaN	NaN	NaN	11
Very interested (%)	NaN	NaN	NaN	NaN	NaN	23
Moderately interested (%)	NaN	NaN	NaN	NaN	NaN	25
A little interested (%)	NaN	NaN	NaN	NaN	NaN	22
Not at all interested (%)	NaN	NaN	NaN	NaN	NaN	19
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

Actions that are being taken by businesses in response to global warming

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Extremely interested (%)	NaN	NaN	NaN	NaN	NaN	12
Very interested (%)	NaN	NaN	NaN	NaN	NaN	19
Moderately interested (%)	NaN	NaN	NaN	NaN	NaN	26
A little interested (%)	NaN	NaN	NaN	NaN	NaN	22
Not at all interested (%)	NaN	NaN	NaN	NaN	NaN	19
Refused (%)	NaN	NaN	NaN	NaN	NaN	2

The impacts of global warming around the world

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Extremely interested (%)	NaN	NaN	NaN	NaN	NaN	11
Very interested (%)	NaN	NaN	NaN	NaN	NaN	22
Moderately interested (%)	NaN	NaN	NaN	NaN	NaN	24
A little interested (%)	NaN	NaN	NaN	NaN	NaN	24
Not at all interested (%)	NaN	NaN	NaN	NaN	NaN	19
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**How interested are you in news stories about the following topics? (Cont'd)****The causes of global warming**

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Extremely interested (%)	NaN	NaN	NaN	NaN	NaN	8
Very interested (%)	NaN	NaN	NaN	NaN	NaN	20
Moderately interested (%)	NaN	NaN	NaN	NaN	NaN	28
A little interested (%)	NaN	NaN	NaN	NaN	NaN	23
Not at all interested (%)	NaN	NaN	NaN	NaN	NaN	19
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

The impacts of global warming elsewhere in the United States

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Extremely interested (%)	NaN	NaN	NaN	NaN	NaN	9
Very interested (%)	NaN	NaN	NaN	NaN	NaN	21
Moderately interested (%)	NaN	NaN	NaN	NaN	NaN	27
A little interested (%)	NaN	NaN	NaN	NaN	NaN	23
Not at all interested (%)	NaN	NaN	NaN	NaN	NaN	19
Refused (%)	NaN	NaN	NaN	NaN	NaN	2

Actions that are being taken by foreign governments in response to global warming

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Extremely interested (%)	NaN	NaN	NaN	NaN	NaN	11
Very interested (%)	NaN	NaN	NaN	NaN	NaN	20
Moderately interested (%)	NaN	NaN	NaN	NaN	NaN	24
A little interested (%)	NaN	NaN	NaN	NaN	NaN	24
Not at all interested (%)	NaN	NaN	NaN	NaN	NaN	19
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

(Base: Americans 18+)**How interested are you in news stories about the following topics? (Cont'd)****Whether global warming is or is not happening**

	Oct 2017	Mar 2018	Dec 2018	Apr 2019	Nov 2019	Apr 2020
(Unweighted Base)	0	0	0	0	0	1,029
Extremely interested (%)	NaN	NaN	NaN	NaN	NaN	4
Very interested (%)	NaN	NaN	NaN	NaN	NaN	12
Moderately interested (%)	NaN	NaN	NaN	NaN	NaN	27
A little interested (%)	NaN	NaN	NaN	NaN	NaN	26
Not at all interested (%)	NaN	NaN	NaN	NaN	NaN	29
Refused (%)	NaN	NaN	NaN	NaN	NaN	1

Appendix II: Survey Method

The data in this report are based on a nationally representative survey of 1,029 American adults, aged 18 and older. The survey was conducted April 7 – 17, 2020. All questionnaires were self-administered by respondents in a web-based environment. The survey took, on average, 25 minutes to complete. 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 U.S. 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, 312 respondents participated in a previous CCAM survey.

The survey instrument was designed by Anthony Leiserowitz, Seth Rosenthal, Matthew Ballew, Matthew Goldberg, Abel Gustafson, and Parrish Bergquist of Yale University, and Edward Maibach and John Kotcher of George Mason University. The automated report was designed by Parrish Bergquist and Xinran Wang of Yale University and Matto Mildenerger of the University of California, Santa Barbara.

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 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

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 (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	1,029	100
Male	517	48
Female	512	52
iGen (1997 -)	35	7
Millennials (1981 - 1996)	222	29
Generation X (1965 - 1980)	268	26
Baby Boomers (1946 - 1964)	421	32
Silent (1928 - 1945)	81	6
Greatest (Before 1928)	2	0
Less than high school	56	10
High school	250	28
Some college	296	28
Bachelor's degree or higher	427	33
<\$25K	98	11
\$25K-<\$50K	177	19
\$50K-<\$75K	180	18
\$75K-<\$100K	130	14
\$100K-<\$125K	132	11
\$125K+	292	27
White, Non-Hispanic	758	63
Black, Non-Hispanic	88	12
Hispanic	115	16
2+ Races, Non-Hispanic	27	1
Other, Non-Hispanic	41	7
Northeast	208	18
Midwest	244	21
South	341	38
West	236	24