



TOPLINE & METHODOLOGY

USA Today/Ipsos Extreme Weather Survey

Conducted by Ipsos using KnowledgePanel®
A survey of the American general population (ages 18+)

Interview dates: July 21-23, 2023

Number of interviews: 1,024

Number of Republican interviews: 263

Number of Democrat interviews: 323

Number of independent interviews: 309

Margin of error: +/- 3.3 percentage points at the 95% confidence level for all respondents
Margin of error: +/- 6.4 percentage points at the 95% confidence level for Republican respondents
Margin of error: +/- 5.9 percentage points at the 95% confidence level for Democrat respondents
Margin of error: +/- 6.0 percentage points at the 95% confidence level for independent respondents

NOTE: All results show percentages among all respondents, unless otherwise labeled. Reduced bases are unweighted values.

*NOTE: * = less than 0.5%, - = no respondents, N/A = not applicable*

Annotated Questionnaire:

1. How familiar, if at all, are you with the following recent events?

Total Very/Somewhat Familiar Summary

	Total (N=1,024)
Canadian wildfire smoke affecting the air quality in several states	75%
Excessive rainfall and flooding in parts of the East Coast	52%
A record-breaking heat wave in Phoenix	51%
A 7.2-magnitude earthquake off the Alaskan coast	18%

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1_1. How familiar, if at all, are you with the following recent events? Excessive rainfall and flooding in parts of the East Coast

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Very familiar	24%	23%	29%	25%
Somewhat familiar	28%	26%	29%	29%
Heard of it, but that's it	25%	27%	22%	25%
Not familiar at all	22%	24%	18%	21%
Refused	*	-	*	-
<i>Familiar (net)</i>	<i>52%</i>	<i>49%</i>	<i>58%</i>	<i>54%</i>

1_2. How familiar, if at all, are you with the following recent events? A record-breaking heat wave in Phoenix

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Very familiar	25%	23%	29%	25%
Somewhat familiar	26%	24%	31%	23%
Heard of it, but that's it	27%	31%	24%	28%
Not familiar at all	22%	22%	15%	24%
Refused	*	-	1%	-
<i>Familiar (net)</i>	<i>51%</i>	<i>47%</i>	<i>60%</i>	<i>48%</i>

1_3. How familiar, if at all, are you with the following recent events? Canadian wildfire smoke affecting the air quality in several states

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Very familiar	40%	39%	47%	38%
Somewhat familiar	35%	32%	34%	37%
Heard of it, but that's it	18%	21%	13%	17%
Not familiar at all	8%	7%	5%	8%
Refused	*	-	*	*
<i>Familiar (net)</i>	<i>75%</i>	<i>71%</i>	<i>81%</i>	<i>75%</i>

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1_4. How familiar, if at all, are you with the following recent events? A 7.2-magnitude earthquake off the Alaskan coast

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Very familiar	6%	4%	5%	6%
Somewhat familiar	12%	16%	14%	8%
Heard of it, but that's it	23%	24%	26%	21%
Not familiar at all	59%	56%	54%	64%
Refused	*	-	*	-
<i>Familiar (net)</i>	<i>18%</i>	<i>20%</i>	<i>19%</i>	<i>14%</i>

2. In the past month, have you personally experienced any extreme weather events where you live, or not?

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Yes	49%	44%	57%	45%
No	51%	56%	42%	54%
Refused	1%	-	1%	*

3. **[Base = Experienced extreme weather events in Q2]** Which of the following weather events have you experienced in the past month?

	Total (N=492)	Republican (N=111)	Democrat (N=178)	Independent (N=140)
Extreme heat	71%	77%	68%	69%
Poor air quality	49%	37%	53%	52%
Severe thunderstorm	39%	40%	35%	40%
Heavy rainfall	38%	34%	37%	42%
Drought	16%	24%	14%	14%
Flooding	16%	11%	17%	18%
Hailstorms	13%	9%	9%	18%
Tornado	6%	4%	5%	8%
Wildfire	5%	6%	5%	4%
Hurricane or tropical storm	1%	2%	1%	-
Earthquake	1%	2%	2%	1%
Unseasonably cold weather	1%	0%	2%	1%
Other	1%	2%	1%	*
Refused	*	-	*	-



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4. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change?

Total More Frequent Summary

	Total July 2023 (N=1,024)	Total April 2023 (N=1,029)	Total April 2022 (N=1,005)	Total April 2021 (N=1,003)	Total Republican 2023 (N=263)	Total Democrat 2023 (N=323)
Extreme heat	66%	55%	53%	n/a	56%	77%
Unusual weather for the season	63%	67%	66%	n/a	56%	74%
Poor air quality/air pollution	61%	43%	47%	n/a	54%	70%
Droughts	43%	43%	44%	33%	39%	53%
Heavy rainfall	42%	n/a	n/a	n/a	32%	48%
Severe thunderstorms	40%	40%	43%	38%	32%	45%
Flooding	39%	42%	38%	39%	28%	51%
Wildfires	36%	42%	46%	41%	31%	43%
Tornadoes	27%	32%	35%	31%	19%	32%
Extreme cold	23%	35%	38%	38%	17%	28%
Hailstorms	22%	n/a	n/a	n/a	17%	29%
Hurricanes or tropical storms	20%	27%	34%	35%	12%	28%
Blizzards	11%	19%	22%	22%	9%	17%
Earthquakes	11%	15%	17%	20%	9%	14%

4_1. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Severe thunderstorms

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	13%	7%	17%	13%
Somewhat more frequent	27%	25%	28%	30%
No change	42%	55%	35%	42%
Somewhat less frequent	5%	6%	4%	5%
Much less frequent	4%	1%	6%	4%
Don't know	8%	5%	9%	7%
Refused	1%	1%	1%	-
<i>More frequent (Net)</i>	40%	32%	45%	43%
<i>Less frequent (Net)</i>	9%	7%	10%	9%



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4_2. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Droughts

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	15%	10%	23%	13%
Somewhat more frequent	28%	29%	31%	28%
No change	40%	46%	32%	43%
Somewhat less frequent	4%	4%	3%	5%
Much less frequent	2%	1%	2%	2%
Don't know	10%	10%	8%	9%
Refused	1%	-	1%	-
<i>More frequent (Net)</i>	43%	39%	53%	41%
<i>Less frequent (Net)</i>	6%	5%	5%	7%

4_3. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Flooding

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	12%	7%	18%	10%
Somewhat more frequent	27%	21%	33%	28%
No change	45%	57%	32%	48%
Somewhat less frequent	4%	5%	3%	4%
Much less frequent	3%	2%	4%	3%
Don't know	8%	7%	8%	7%
Refused	1%	-	2%	1%
<i>More frequent (Net)</i>	39%	28%	51%	38%
<i>Less frequent (Net)</i>	7%	7%	7%	6%

4_4. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Hurricanes or tropical storms

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	6%	3%	8%	5%
Somewhat more frequent	14%	9%	20%	14%
No change	60%	69%	52%	63%
Somewhat less frequent	4%	5%	1%	6%
Much less frequent	3%	3%	3%	2%
Don't know	12%	11%	13%	10%
Refused	1%	-	2%	-
<i>More frequent (Net)</i>	20%	12%	28%	19%
<i>Less frequent (Net)</i>	7%	9%	5%	7%

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4_5. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Blizzards

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	3%	4%	3%	2%
Somewhat more frequent	8%	6%	13%	7%
No change	56%	63%	48%	57%
Somewhat less frequent	11%	9%	9%	15%
Much less frequent	9%	9%	12%	7%
Don't know	12%	10%	13%	11%
Refused	1%	-	1%	1%
<i>More frequent (Net)</i>	<i>11%</i>	<i>9%</i>	<i>17%</i>	<i>10%</i>
<i>Less frequent (Net)</i>	<i>20%</i>	<i>19%</i>	<i>21%</i>	<i>22%</i>

4_6. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Wildfires

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	15%	10%	19%	13%
Somewhat more frequent	21%	21%	23%	21%
No change	49%	54%	40%	52%
Somewhat less frequent	1%	3%	1%	1%
Much less frequent	2%	2%	3%	1%
Don't know	11%	10%	11%	11%
Refused	1%	-	2%	1%
<i>More frequent (Net)</i>	<i>36%</i>	<i>31%</i>	<i>43%</i>	<i>35%</i>
<i>Less frequent (Net)</i>	<i>3%</i>	<i>5%</i>	<i>4%</i>	<i>1%</i>

4_7. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Earthquakes

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	3%	2%	2%	3%
Somewhat more frequent	8%	7%	11%	8%
No change	69%	75%	66%	71%
Somewhat less frequent	1%	2%	1%	1%
Much less frequent	4%	4%	3%	4%
Don't know	14%	10%	16%	13%
Refused	1%	-	2%	-
<i>More frequent (Net)</i>	<i>11%</i>	<i>9%</i>	<i>14%</i>	<i>10%</i>
<i>Less frequent (Net)</i>	<i>5%</i>	<i>6%</i>	<i>3%</i>	<i>5%</i>



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4_8. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Extreme cold

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	5%	3%	6%	5%
Somewhat more frequent	18%	14%	22%	17%
No change	45%	57%	37%	44%
Somewhat less frequent	15%	15%	15%	15%
Much less frequent	8%	3%	9%	9%
Don't know	9%	7%	9%	9%
Refused	1%	1%	2%	-
<i>More frequent (Net)</i>	23%	17%	28%	22%
<i>Less frequent (Net)</i>	22%	19%	23%	24%

4_9. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Extreme heat

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	27%	19%	38%	26%
Somewhat more frequent	39%	37%	39%	42%
No change	25%	37%	15%	25%
Somewhat less frequent	3%	4%	2%	3%
Much less frequent	*	*	1%	-
Don't know	5%	4%	4%	5%
Refused	1%	-	1%	-
<i>More frequent (Net)</i>	66%	56%	77%	67%
<i>Less frequent (Net)</i>	3%	4%	3%	3%

4_10. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Poor air quality/air pollution

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	27%	21%	33%	27%
Somewhat more frequent	34%	33%	37%	34%
No change	28%	35%	19%	30%
Somewhat less frequent	2%	2%	3%	2%
Much less frequent	1%	2%	1%	1%
Don't know	7%	7%	4%	6%
Refused	1%	-	2%	1%
<i>More frequent (Net)</i>	61%	54%	70%	61%
<i>Less frequent (Net)</i>	4%	4%	4%	3%





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4_11. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Tornadoes

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	7%	6%	8%	6%
Somewhat more frequent	20%	13%	24%	23%
No change	56%	65%	49%	57%
Somewhat less frequent	2%	4%	2%	2%
Much less frequent	2%	1%	3%	2%
Don't know	11%	11%	13%	8%
Refused	1%	-	1%	1%
<i>More frequent (Net)</i>	27%	19%	32%	29%
<i>Less frequent (Net)</i>	5%	5%	5%	5%

4_12. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Unusual weather for the season (i.e., unseasonably warm or cold days, more or less rain, etc.)

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	23%	15%	29%	25%
Somewhat more frequent	40%	41%	44%	38%
No change	28%	39%	16%	29%
Somewhat less frequent	1%	1%	1%	2%
Much less frequent	2%	*	2%	2%
Don't know	6%	4%	7%	5%
Refused	1%	-	1%	*
<i>More frequent (Net)</i>	63%	56%	74%	62%
<i>Less frequent (Net)</i>	3%	1%	3%	4%

4_13. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Hailstorms

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	5%	4%	6%	4%
Somewhat more frequent	17%	14%	24%	15%
No change	55%	65%	47%	58%
Somewhat less frequent	5%	5%	3%	7%
Much less frequent	5%	2%	5%	5%
Don't know	12%	10%	14%	11%
Refused	1%	-	2%	*
<i>More frequent (Net)</i>	22%	17%	29%	19%
<i>Less frequent (Net)</i>	10%	7%	8%	12%





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4_14. Compared to ten years ago, do you think the following have become more or less frequent where you live, or has there been no change? Heavy rainfall

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more frequent	14%	9%	20%	12%
Somewhat more frequent	28%	24%	28%	32%
No change	39%	52%	32%	38%
Somewhat less frequent	8%	10%	7%	8%
Much less frequent	2%	3%	3%	1%
Don't know	7%	3%	9%	7%
Refused	1%	-	1%	2%
<i>More frequent (Net)</i>	42%	32%	48%	44%
<i>Less frequent (Net)</i>	11%	13%	10%	10%

5. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago?

Total More Intense Summary

	Total July 2023	Total April 2022	Total April 2021	Total April 2018	Total April 2017	Total Republican 2023	Total Democrat 2023
Extreme heat	64%	56%	n/a	n/a	n/a	52%	72%
Poor air quality/air pollution	59%	41%	n/a	n/a	n/a	46%	72%
Unusual weather for the season	57%	60%	n/a	n/a	n/a	45%	68%
Wildfires	47%	46%	48%	46%	n/a	37%	59%
Flooding	46%	46%	44%	55%	47%	34%	57%
Droughts	45%	44%	38%	42%	44%	35%	56%
Heavy rainfall	44%	n/a	n/a	n/a	n/a	34%	55%
Severe thunderstorms	42%	42%	42%	49%	46%	30%	50%
Hurricanes or tropical storms	33%	37%	42%	48%	36%	20%	45%
Tornadoes	30%	36%	37%	-	-	23%	37%
Extreme cold	28%	38%	40%	53%	-	19%	38%
Hailstorms	23%	n/a	n/a	n/a	n/a	17%	30%
Blizzards	19%	26%	30%	37%	29%	12%	28%
Earthquakes	14%	18%	24%	25%	-	14%	17%



TOPLINE & METHODOLOGY

5_1. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Severe thunderstorms

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	12%	7%	17%	10%
Somewhat more intense	30%	23%	33%	33%
No change	41%	54%	32%	41%
Somewhat less intense	4%	5%	3%	4%
Much less intense	2%	1%	1%	3%
Don't know	10%	9%	9%	8%
Refused	2%	1%	4%	1%
<i>More intense (Net)</i>	42%	30%	50%	43%
<i>Less intense (Net)</i>	6%	6%	4%	6%

5_2. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Droughts

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	16%	8%	28%	15%
Somewhat more intense	28%	26%	28%	32%
No change	36%	46%	27%	36%
Somewhat less intense	3%	2%	3%	3%
Much less intense	2%	3%	2%	2%
Don't know	12%	14%	9%	11%
Refused	2%	1%	4%	1%
<i>More intense (Net)</i>	45%	35%	56%	47%
<i>Less intense (Net)</i>	5%	5%	5%	5%

5_3. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Flooding

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	15%	8%	23%	13%
Somewhat more intense	31%	25%	34%	35%
No change	37%	48%	28%	38%
Somewhat less intense	2%	3%	1%	3%
Much less intense	2%	2%	1%	2%
Don't know	11%	12%	9%	10%
Refused	2%	1%	4%	1%
<i>More intense (Net)</i>	46%	34%	57%	47%
<i>Less intense (Net)</i>	4%	5%	2%	4%

TOPLINE & METHODOLOGY

5_4. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Hurricanes or tropical storms

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	10%	4%	14%	10%
Somewhat more intense	23%	16%	31%	24%
No change	48%	58%	36%	51%
Somewhat less intense	3%	5%	2%	1%
Much less intense	2%	2%	1%	2%
Don't know	13%	13%	13%	11%
Refused	2%	1%	4%	1%
<i>More intense (Net)</i>	33%	20%	45%	34%
<i>Less intense (Net)</i>	4%	7%	3%	4%

5_5. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Blizzards

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	5%	3%	7%	3%
Somewhat more intense	14%	9%	20%	14%
No change	51%	62%	38%	54%
Somewhat less intense	8%	7%	8%	8%
Much less intense	5%	5%	4%	5%
Don't know	16%	13%	18%	15%
Refused	2%	1%	4%	1%
<i>More intense (Net)</i>	19%	12%	28%	17%
<i>Less intense (Net)</i>	12%	12%	12%	13%

5_6. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Wildfires

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	20%	14%	31%	16%
Somewhat more intense	27%	23%	28%	31%
No change	37%	46%	26%	39%
Somewhat less intense	3%	3%	2%	3%
Much less intense	1%	1%	1%	1%
Don't know	10%	11%	8%	9%
Refused	2%	1%	4%	1%
<i>More intense (Net)</i>	47%	37%	59%	47%
<i>Less intense (Net)</i>	4%	5%	3%	4%

TOPLINE & METHODOLOGY

5_7. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Earthquakes

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	5%	4%	6%	4%
Somewhat more intense	9%	9%	10%	9%
No change	61%	65%	60%	62%
Somewhat less intense	3%	3%	1%	4%
Much less intense	2%	2%	2%	1%
Don't know	17%	15%	17%	18%
Refused	3%	1%	4%	2%
<i>More intense (Net)</i>	14%	14%	17%	13%
<i>Less intense (Net)</i>	5%	5%	3%	5%

5_8. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Extreme cold

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	7%	3%	13%	5%
Somewhat more intense	21%	16%	26%	21%
No change	44%	55%	30%	47%
Somewhat less intense	11%	9%	11%	15%
Much less intense	3%	3%	4%	3%
Don't know	12%	13%	13%	9%
Refused	2%	1%	4%	1%
<i>More intense (Net)</i>	28%	19%	38%	26%
<i>Less intense (Net)</i>	14%	12%	15%	17%

5_9. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Extreme heat

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	27%	16%	38%	26%
Somewhat more intense	37%	36%	34%	43%
No change	25%	38%	16%	22%
Somewhat less intense	2%	2%	2%	1%
Much less intense	1%	1%	1%	1%
Don't know	6%	6%	5%	5%
Refused	2%	1%	4%	2%
<i>More intense (Net)</i>	64%	52%	72%	69%
<i>Less intense (Net)</i>	3%	2%	2%	2%



TOPLINE & METHODOLOGY

5_10. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Poor air quality/air pollution

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	23%	16%	33%	22%
Somewhat more intense	35%	30%	39%	39%
No change	27%	38%	16%	28%
Somewhat less intense	2%	4%	1%	2%
Much less intense	1%	1%	1%	1%
Don't know	9%	11%	7%	8%
Refused	2%	1%	4%	1%
<i>More intense (Net)</i>	59%	46%	72%	60%
<i>Less intense (Net)</i>	3%	4%	1%	4%

5_11. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Tornadoes

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	9%	5%	12%	8%
Somewhat more intense	21%	18%	25%	22%
No change	48%	56%	40%	50%
Somewhat less intense	2%	4%	1%	2%
Much less intense	3%	2%	3%	3%
Don't know	15%	15%	15%	13%
Refused	2%	1%	4%	1%
<i>More intense (Net)</i>	30%	23%	37%	31%
<i>Less intense (Net)</i>	5%	6%	4%	5%

5_12. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Unusual weather for the season (i.e., unseasonably warm or cold days, more or less rain, etc.)

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	19%	11%	29%	18%
Somewhat more intense	38%	34%	39%	42%
No change	28%	40%	18%	28%
Somewhat less intense	3%	2%	1%	3%
Much less intense	1%	2%	1%	1%
Don't know	8%	9%	7%	7%
Refused	2%	1%	4%	1%
<i>More intense (Net)</i>	57%	45%	68%	60%
<i>Less intense (Net)</i>	4%	4%	2%	4%



TOPLINE & METHODOLOGY

5_13. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Hailstorms

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	7%	5%	9%	7%
Somewhat more intense	16%	11%	22%	16%
No change	52%	65%	44%	52%
Somewhat less intense	4%	4%	2%	4%
Much less intense	2%	1%	1%	3%
Don't know	17%	12%	19%	17%
Refused	2%	*	4%	1%
<i>More intense (Net)</i>	23%	17%	30%	23%
<i>Less intense (Net)</i>	6%	5%	4%	7%

5_14. Thinking about the intensity of these weather events, do you think the following have become more or less intense or has there been no change, compared to ten years ago? Heavy rainfall

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Much more intense	15%	9%	22%	13%
Somewhat more intense	29%	26%	33%	31%
No change	38%	51%	27%	38%
Somewhat less intense	4%	5%	4%	4%
Much less intense	2%	1%	1%	3%
Don't know	9%	7%	9%	8%
Refused	2%	1%	4%	2%
<i>More intense (Net)</i>	44%	34%	55%	45%
<i>Less intense (Net)</i>	7%	6%	5%	7%



TOPLINE & METHODOLOGY

6. Which of the following statements comes closest to your opinion?

	Total July 2023 (N=1,024)	<i>Total April 2023</i>	<i>Total April 2022</i>	<i>Total April 2021</i>	<i>Total April 2018</i>	<i>Total April 2017</i>
Climate change is mostly caused by human activity	55%	49%	57%	54%	51%	51%
Climate change is mostly caused by natural patterns	22%	27%	27%	27%	31%	31%
Climate change is not really happening	5%	7%	6%	7%	6%	6%
Other	3%	4%	3%	2%	3%	3%
Don't know	14%	13%	8%	10%	9%	10%
Refused	1%	N/A	N/A	N/A	N/A	N/A

	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Climate change is mostly caused by human activity	28%	82%	56%
Climate change is mostly caused by natural patterns	39%	8%	21%
Climate change is not really happening	11%	-	4%
Other	5%	*	4%
Don't know	17%	8%	14%
Refused	1%	2%	*



TOPLINE & METHODOLOGY

7. How concerned are you about climate change?

	Total July 2023 (N=1,024)	<i>Total April 2023</i>	<i>Total April 2022</i>
Very concerned	32%	29%	35%
Somewhat concerned	37%	34%	40%
Not very concerned	18%	19%	16%
Not at all concerned	12%	17%	10%
<i>Concerned</i>	69%	63%	75%
<i>Not Concerned</i>	30%	36%	25%

	Republican 2023 (N=263)	Democrat 2023 (N=323)	Independent 2023 (N=309)
Very concerned	11%	58%	30%
Somewhat concerned	35%	33%	41%
Not very concerned	32%	6%	17%
Not at all concerned	23%	2%	11%
Refused	-	2%	0%
Concerned (Net)	45%	91%	71%
Not concerned (Net)	55%	8%	29%

8. How, if at all, have your views on climate change evolved in the past few years?

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
I'm significantly more concerned about the effects of climate change now	23%	9%	41%	20%
I'm somewhat more concerned about the effects of climate change now	30%	24%	36%	32%
My views on climate change have not evolved	36%	51%	17%	38%
I'm somewhat less concerned about the effects of climate change now	4%	7%	3%	3%
I'm significantly less concerned about the effects of climate change now	6%	8%	1%	7%
Refused	1%	*	2%	*



TOPLINE & METHODOLOGY

9. To what extent do you agree or disagree with the following statements?

Total Agree Summary

	Total July 2023 (N=1,024)	Total April 2023	Total April 2022	Total Republican 2023	Total Democrat 2023
Extreme weather events will become more frequent in the near future	68%	n/a	n/a	49%	85%
Humans can slow/reverse climate change but aren't willing to change their behavior	63%	62%	71%	46%	80%
Climate change is negatively affecting my everyday life	39%	n/a	n/a	19%	57%
Humans are making progress to slow/reverse climate change	34%	38%	45%	33%	36%
Large corporations and government policy can reduce climate change, but individual action makes no difference	27%	28%	39%	22%	31%
It is too late to stop climate change at this point	27%	24%	27%	22%	24%
It will get more difficult to stay in the area I currently live due to climate change	23%	n/a	n/a	13%	31%

9_1. To what extent do you agree or disagree with the following statements? Humans can slow/reverse climate change but aren't willing to change their behavior

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Strongly agree	27%	14%	37%	28%
Somewhat agree	36%	32%	43%	37%
Somewhat disagree	11%	18%	7%	10%
Strongly disagree	10%	18%	2%	9%
Don't know	15%	17%	9%	16%
Refused	1%	1%	2%	*
Agree (Net)	63%	46%	80%	65%
Disagree (Net)	21%	36%	9%	19%



TOPLINE & METHODOLOGY

9_2. To what extent do you agree or disagree with the following statements? Humans are making progress to slow/reverse climate change

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Strongly agree	3%	2%	3%	3%
Somewhat agree	31%	31%	33%	32%
Somewhat disagree	27%	24%	33%	26%
Strongly disagree	17%	16%	15%	19%
Don't know	21%	28%	14%	19%
Refused	1%	-	2%	1%
<i>Agree (Net)</i>	34%	33%	36%	35%
<i>Disagree (Net)</i>	44%	40%	48%	45%

9_3. To what extent do you agree or disagree with the following statements? It is too late to stop climate change at this point

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Strongly agree	7%	5%	5%	9%
Somewhat agree	20%	17%	20%	21%
Somewhat disagree	31%	25%	40%	31%
Strongly disagree	18%	17%	22%	17%
Don't know	23%	36%	12%	22%
Refused	1%	1%	2%	1%
<i>Agree (Net)</i>	27%	22%	24%	30%
<i>Disagree (Net)</i>	49%	42%	62%	47%

9_4. To what extent do you agree or disagree with the following statements? Large corporations and government policy can reduce climate change, but individual action makes no difference

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Strongly agree	9%	5%	11%	8%
Somewhat agree	19%	16%	20%	20%
Somewhat disagree	30%	30%	32%	30%
Strongly disagree	23%	24%	25%	23%
Don't know	18%	23%	10%	19%
Refused	1%	1%	2%	*
<i>Agree (Net)</i>	27%	22%	31%	28%
<i>Disagree (Net)</i>	53%	54%	57%	53%

TOPLINE & METHODOLOGY

9_5. To what extent do you agree or disagree with the following statements? Extreme weather events will become more frequent in the near future

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Strongly agree	34%	14%	52%	33%
Somewhat agree	34%	34%	33%	38%
Somewhat disagree	7%	13%	1%	6%
Strongly disagree	7%	13%	2%	6%
Don't know	17%	24%	10%	16%
Refused	1%	1%	2%	*
<i>Agree (Net)</i>	68%	49%	85%	71%
<i>Disagree (Net)</i>	13%	26%	3%	12%

9_6. To what extent do you agree or disagree with the following statements? It will get more difficult to stay in the area I currently live due to climate change

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Strongly agree	8%	3%	11%	8%
Somewhat agree	15%	10%	20%	14%
Somewhat disagree	25%	19%	29%	29%
Strongly disagree	30%	49%	19%	27%
Don't know	20%	18%	19%	20%
Refused	2%	*	2%	2%
<i>Agree (Net)</i>	23%	13%	31%	23%
<i>Disagree (Net)</i>	56%	69%	48%	56%

9_7. To what extent do you agree or disagree with the following statements? Climate change is negatively affecting my everyday life

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Strongly agree	8%	5%	11%	8%
Somewhat agree	30%	14%	46%	30%
Somewhat disagree	24%	30%	20%	26%
Strongly disagree	20%	37%	8%	19%
Don't know	15%	14%	13%	16%
Refused	1%	*	2%	*
<i>Agree (Net)</i>	39%	19%	57%	38%
<i>Disagree (Net)</i>	45%	66%	27%	45%



TOPLINE & METHODOLOGY

10. As you may know, most climate experts believe that global average temperatures will climb rapidly in the next few decades. Furthermore, to prevent the worst effects of climate change, the world should work to limit this change in global average temperature to an increase of no more than 2 degrees.

How familiar are you, if at all, with the position of climate scientists just described?

	Total July 2023	Total April 2023	Total April 2022	Total April 2021	Total April 2018	Total April 2017
Very familiar	18%	16%	19%	16%	15%	20%
Somewhat familiar	34%	34%	41%	38%	44%	44%
Not very familiar	25%	27%	27%	29%	27%	24%
Never heard of it before	14%	10%	8%	10%	7%	7%
Don't know	9%	12%	5%	9%	8%	5%
Refused	1%	N/A	N/A	N/A	N/A	N/A
<i>Familiar (net)</i>	<i>52%</i>	<i>50%</i>	<i>60%</i>	<i>53%</i>	<i>59%</i>	<i>64%</i>
<i>Unfamiliar (net)</i>	<i>39%</i>	<i>37%</i>	<i>35%</i>	<i>38%</i>	<i>34%</i>	<i>31%</i>

	Republican 2023 (N=263)	Democrat 2023 (N=323)	Independent 2023 (N=309)
Very familiar	9%	20%	21%
Somewhat familiar	34%	38%	30%
Not very familiar	29%	20%	27%
Never heard of it before	18%	10%	13%
Don't know	9%	9%	8%
Refused	*	2%	1%
<i>Familiar (net)</i>	<i>43%</i>	<i>58%</i>	<i>51%</i>
<i>Unfamiliar (net)</i>	<i>47%</i>	<i>30%</i>	<i>40%</i>





TOPLINE & METHODOLOGY

11. Here are some actions that have been suggested as ways regular people can help limit climate change. How likely, if at all, would you be to do the following in the next year?

Total Likely Summary

	Total July 2023	Total April 2023	Total April 2021	Total April 2018	Total Republican 2023	Total Democrat 2023
Walk or bike to close locations instead of driving	34%	36%	n/a	n/a	29%	42%
Pay an additional \$100 a year in taxes dedicated to reducing pollution	34%	35%	37%	45%	18%	49%
Pay an additional \$100 a year in electricity bills dedicated to renewable energy	33%	31%	33%	42%	17%	47%
Put solar panels on your home	33%	30%	35%	50%	22%	37%
Trade in your current vehicle for an electric vehicle	26%	25%	30%	37%	13%	37%
Use public transportation	22%	21%	30%	41%	13%	30%

11_1. Here are some actions that have been suggested as ways regular people can help limit climate change. How likely, if at all, would you be to do the following in the next year? Trade in your current vehicle for an electric vehicle

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Very likely	6%	1%	12%	6%
Somewhat likely	19%	12%	25%	22%
Not very likely	21%	18%	24%	23%
Not at all likely	37%	62%	20%	34%
I already do this	4%	2%	4%	5%
Not applicable	11%	5%	12%	11%
Refused	1%	-	3%	*
Likely (Net)	26%	13%	37%	27%
Not likely (Net)	58%	80%	44%	56%





TOPLINE & METHODOLOGY

11_2. Here are some actions that have been suggested as ways regular people can help limit climate change. How likely, if at all, would you be to do the following in the next year? Put solar panels on your home

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Very likely	12%	9%	14%	10%
Somewhat likely	21%	13%	23%	25%
Not very likely	20%	22%	20%	20%
Not at all likely	25%	39%	18%	22%
I already do this	6%	9%	5%	6%
Not applicable	15%	7%	17%	16%
Refused	1%	*	3%	*
<i>Likely (Net)</i>	33%	22%	37%	35%
<i>Not likely (Net)</i>	45%	61%	38%	42%

11_3. Here are some actions that have been suggested as ways regular people can help limit climate change. How likely, if at all, would you be to do the following in the next year? Pay an additional \$100 a year in taxes dedicated to reducing pollution

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Very likely	14%	6%	24%	13%
Somewhat likely	20%	12%	25%	23%
Not very likely	20%	20%	22%	19%
Not at all likely	34%	54%	16%	35%
I already do this	2%	2%	1%	1%
Not applicable	9%	6%	9%	9%
Refused	1%	-	3%	*
<i>Likely (Net)</i>	34%	18%	49%	36%
<i>Not likely (Net)</i>	54%	74%	37%	54%

11_4. Here are some actions that have been suggested as ways regular people can help limit climate change. How likely, if at all, would you be to do the following in the next year? Pay an additional \$100 a year in electricity bills dedicated to renewable energy

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Very likely	11%	3%	18%	10%
Somewhat likely	22%	14%	29%	25%
Not very likely	21%	19%	23%	22%
Not at all likely	32%	56%	15%	31%
I already do this	3%	3%	3%	3%
Not applicable	9%	5%	8%	9%
Refused	2%	-	3%	1%
<i>Likely (Net)</i>	33%	17%	47%	35%
<i>Not likely (Net)</i>	54%	74%	39%	53%



TOPLINE & METHODOLOGY

11_5. Here are some actions that have been suggested as ways regular people can help limit climate change. How likely, if at all, would you be to do the following in the next year? Use public transportation

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Very likely	5%	2%	11%	3%
Somewhat likely	17%	11%	19%	18%
Not very likely	24%	24%	22%	26%
Not at all likely	34%	52%	20%	33%
I already do this	7%	2%	10%	8%
Not applicable	12%	8%	15%	12%
Refused	2%	1%	3%	*
<i>Likely (Net)</i>	22%	13%	30%	21%
<i>Not likely (Net)</i>	57%	76%	43%	59%

11_6. Here are some actions that have been suggested as ways regular people can help limit climate change. How likely, if at all, would you be to do the following in the next year? Walk or bike to close locations instead of driving

	Total (N=1,024)	Republican (N=263)	Democrat (N=323)	Independent (N=309)
Very likely	10%	7%	15%	9%
Somewhat likely	24%	22%	28%	24%
Not very likely	17%	19%	18%	17%
Not at all likely	25%	39%	14%	25%
I already do this	11%	6%	10%	14%
Not applicable	10%	7%	12%	10%
Refused	2%	*	3%	1%
<i>Likely (Net)</i>	34%	29%	42%	33%
<i>Not likely (Net)</i>	43%	57%	33%	42%



TOPLINE & METHODOLOGY

About the Study

This USA Today/Ipsos poll was conducted July 21-23, 2023, using Ipsos' probability-based KnowledgePanel®. This poll is based on a nationally representative probability sample of 1,024 general population adults age 18 or older, including 263 Republican respondents, 323 Democrat respondents, and 309 independent respondents.

The margin of sampling error for this study is plus or minus 3.3 percentage points at the 95% confidence level, for results based on the entire sample of adults. The margin of sampling error takes into account the design effect, which was 1.14 for all respondents. The margin of sampling error for this study is plus or minus 6.4 percentage points at the 95% confidence level, for results based on the sample of Republican adults. The margin of sampling error takes into account the design effect, which was 1.14 for Republicans. The margin of sampling error for this study is plus or minus 5.9 percentage points at the 95% confidence level, for results based on the sample of Democrat respondents. The margin of sampling error takes into account the design effect, which was 1.15 for Democrats. The margin of sampling error for this study is plus or minus 6.0 percentage points at the 95% confidence level, for results based on the sample of independent respondents. The margin of sampling error takes into account the design effect, which was 1.16 for independents.

The survey is trended against past national surveys conducted in April 2023, April 2022, April 2021, April 2018, and April 2017. Prior to April 2023, the survey was conducted on Ipsos' iSay online panel.

In our reporting of the findings, percentage points are rounded off to the nearest whole number. As a result, percentages in a given table column may total slightly higher or lower than 100%. In questions that permit multiple responses, columns may total substantially more than 100%, depending on the number of different responses offered by each respondent.

The survey was conducted using KnowledgePanel, the largest and most well-established online probability-based panel that is representative of the adult U.S. population. Our recruitment process employs a scientifically developed addressed-based sampling methodology using the latest Delivery Sequence File of the USPS – a database with full coverage of all delivery points in the US. Households invited to join the panel are randomly selected from all available households in the U.S. Persons in the sampled households are invited to join and participate in the panel. Those selected who do not already have internet access are provided a tablet and internet connection at no cost to the panel member. Those who join the panel and who are selected to participate in a survey are sent a unique password-protected log-in used to complete surveys online. As a result of our recruitment and sampling methodologies, samples from KnowledgePanel cover all households regardless of their phone or internet status and findings can be reported with a margin of sampling error and projected to the general population.

The data for the total sample were weighted to adjust for gender by age, race/ethnicity, education, Census region, metropolitan status, household income and party identification. The demographic benchmarks came from the 2022 March Supplement of the Current Population Survey (CPS). Party ID benchmarks are from recent ABC News/Washington Post telephone polls. The weighting categories were as follows:

- Gender (Male, Female) by Age (18–29, 30–44, 45-59 and 60+)
- Race/Hispanic Ethnicity (White Non-Hispanic, Black Non-Hispanic, Other, Non-Hispanic, Hispanic, 2+ Races, Non-Hispanic)
- Education (Less than High School, High School, Some College, Bachelor or higher)
- Census Region (Northeast, Midwest, South, West)

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GAME CHANGERS





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- Metropolitan status (Metro, non-Metro)
- Household Income (Under \$25,000, \$25,000-\$49,999, \$50,000-\$74,999, \$75,000-\$99,999, \$100,000-\$149,999, \$150,000+)
- Party ID (Democrat, Republican, Independent, Something else)

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TOPLINE & METHODOLOGY

About Ipsos

Ipsos is one of the largest market research and polling companies globally, operating in 90 markets and employing over 18,000 people.

Our passionately curious research professionals, analysts and scientists have built unique multi-specialist capabilities that provide true understanding and powerful insights into the actions, opinions and motivations of citizens, consumers, patients, customers or employees. Our 75 solutions are based on primary data from our surveys, social media monitoring, and qualitative or observational techniques.

Our tagline "Game Changers" sums up our ambition to help our 5,000 customers move confidently through a rapidly changing world.

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