YouGov Survey: Extreme Weather and Climate Change YouGov®

Sample	1000 U.S. Adult Citizens
Conducted	July 10 - 13, 2023
Margin of Error	±3.7%

1. In recent decades, do you think that the frequency of the following has increased or decreased?
Asked of a randomly selected half of respondents

	Increased a lot	Increased a little	Stayed the same	De-creased a little	De-creased a lot	Not sure
Blizzards	11%	18%	32%	13%	5%	20%
Droughts	31%	27%	25%	6%	2%	9%
Duststorms	10%	15%	31%	4%	3%	37%
Floods	33%	27%	25%	3%	1%	11%
Heat waves	44%	28%	21%	4%	1%	3%
Hurricanes	22%	29%	29%	7%	1%	11%
Hailstorms	13%	23%	37%	3%	2%	21%
Tornadoes	26%	25%	32%	4%	1%	12%
Volcanic eruptions	8%	20%	38%	8%	3%	23%
Wildfires	51%	23%	16%	3%	1%	6%

2. How responsible, if at all, do you think climate change is for the increased frequency of the following?
Asked of people who say the frequency of each has increased in recent decades

	Entirely re-sponsible	Mostly re-sponsible	Somewhat responsi-ble	Not at all responsi-ble	Not sure
Blizzards	26%	35%	25%	5%	8%
Droughts	27%	29%	25%	10%	9%
Duststorms	21%	29%	29%	9%	13%
Floods	22%	32%	31%	9%	5%
Heat waves	29%	29%	27%	7%	9%
Hurricanes	26%	30%	27%	9%	8%
Hailstorms	24%	29%	28%	9%	11%
Tornadoes	23%	26%	30%	11%	10%
Volcanic eruptions	22%	18%	31%	14%	15%
Wildfires	24%	26%	25%	18%	7%

YouGov Survey: Extreme Weather and Climate Change YouGov

3. In recent decades, do you think that the severity of the following has increased or decreased?
Asked of a randomly selected half of respondents

	Increased a lot	Increased a little	Stayed the same	Decreased a little	Decreased a lot	Not sure
Blizzards	16%	20%	28%	10%	8%	17%
Droughts	33%	26%	21%	6%	3%	11%
Duststorms	11%	17%	29%	4%	5%	34%
Floods	36%	28%	21%	7%	2%	7%
Heat waves	46%	24%	18%	4%	2%	5%
Hurricanes	28%	25%	27%	9%	2%	9%
Hailstorms	15%	21%	35%	8%	3%	18%
Tornadoes	27%	23%	30%	5%	4%	10%
Volcanic eruptions	9%	19%	39%	5%	6%	23%
Wildfires	50%	26%	15%	3%	1%	5%

4. How responsible, if at all, do you think climate change is for the increased severity of the following?
Asked of people who say the severity of each has increased in recent decades

	Entirely responsible	Mostly responsible	Somewhat responsible	Not at all responsible	Not sure
Blizzards	30%	31%	21%	11%	6%
Droughts	30%	35%	24%	8%	4%
Duststorms	26%	39%	20%	7%	7%
Floods	28%	30%	22%	12%	9%
Heat waves	33%	31%	21%	9%	7%
Hurricanes	35%	27%	23%	9%	6%
Hailstorms	29%	26%	28%	7%	10%
Tornadoes	30%	30%	20%	13%	7%
Volcanic eruptions	18%	21%	33%	15%	14%
Wildfires	29%	25%	22%	17%	7%

5. Have you personally ever experienced any of the following? Select all that apply.

Blizzard 42%
Drought 39%
Duststorm 13%
Flood 38%
Heat wave 71%
Hurricane 32%
Hailstorm 47%
Tornado 33%
Volcanic eruption 3%
Wildfire 17%
None of the above 8%

6. How prepared do you think the following are for extreme weather events?

	Very prepared	Somewhat prepared	Not very prepared	Not at all prepared	Not sure
The federal government	9%	39%	30%	13%	9%
Your state government	13%	43%	26%	9%	9%
You personally	12%	48%	27%	8%	4%

Interviewing Dates July 10 - 13, 2023

Target population U.S. citizens, aged 18 and over.

Sampling method Respondents were selected from YouGov's opt-in Internet panel using sample matching. A random sample (stratified by gender, age, race, education, geographic region, and voter registration) was selected from the 2019 American Community Survey.

Weighting The sample was weighted according to gender, age, race, education, 2020 election turnout and Presidential vote, baseline party identification, and current voter registration status. Demographic weighting targets come from the 2019 American Community Survey. Baseline party identification is the respondent's most recent answer given prior to March 15, 2022, and is weighted to the estimated distribution at that time (33% Democratic, 28% Republican). The weights range from 0.132 to 6.503, with a mean of 1 and a standard deviation of 0.666.

Number of respondents 1000

Margin of error ± 3.7% (adjusted for weighting)

Survey mode Web-based interviews

Questions not reported 62 questions not reported.

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

1A. Change in Frequency of Extreme Weather Events — Blizzards
In recent decades, do you think that the frequency of the following has increased or decreased?

Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	11%	10%	13%	*	10%	12%	14%	11%	*	*	*
Increased a little	18%	18%	18%	*	14%	20%	18%	18%	*	*	*
Stayed the same	32%	33%	32%	*	29%	39%	34%	35%	*	*	*
Decreased a little	13%	17%	10%	*	15%	10%	15%	14%	*	*	*
Decreased a lot	5%	7%	3%	*	4%	5%	7%	6%	*	*	*
Not sure	20%	16%	24%	*	28%	15%	12%	16%	*	*	*
Totals	99%	101%	100%	*	100%	101%	100%	100%	*	*	*
Unweighted N	(499)	(223)	(276)	(83)	(111)	(197)	(108)	(344)	(58)	(78)	(19)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	11%	18%	9%	8%	19%	3%	12%	10%	*	*	8%	14%	13%
Increased a little	18%	30%	17%	8%	29%	11%	15%	23%	*	*	18%	20%	20%
Stayed the same	32%	19%	35%	42%	22%	48%	34%	32%	*	*	44%	30%	30%
Decreased a little	13%	11%	12%	17%	10%	19%	13%	11%	*	*	14%	14%	6%
Decreased a lot	5%	4%	4%	7%	4%	9%	5%	7%	*	*	6%	3%	2%
Not sure	20%	18%	23%	18%	18%	10%	20%	17%	*	*	11%	19%	29%
Totals	99%	100%	100%	100%	102%	100%	99%	100%	*	*	101%	100%	100%
Unweighted N	(499)	(165)	(194)	(140)	(189)	(183)	(206)	(154)	(92)	(79)	(108)	(200)	(112)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

1B. Change in Frequency of Extreme Weather Events — Droughts
In recent decades, do you think that the frequency of the following has increased or decreased?
Asked of a randomly selected half of respondents

| | Total | Gender | | Age (4 category) | | | | Race (4 category) | | | |
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	31%	28%	33%	*	24%	36%	32%	30%	*	*	*
Increased a little	27%	28%	27%	*	22%	30%	25%	28%	*	*	*
Stayed the same	25%	28%	22%	*	23%	27%	29%	28%	*	*	*
Decreased a little	6%	4%	7%	*	12%	2%	5%	5%	*	*	*
Decreased a lot	2%	3%	2%	*	3%	1%	2%	2%	*	*	*
Not sure	9%	9%	10%	*	15%	3%	7%	6%	*	*	*
Totals	100%	100%	101%	*	99%	99%	100%	99%	*	*	*
Unweighted N	(501)	(224)	(277)	(83)	(112)	(198)	(108)	(345)	(59)	(78)	(19)

| | Total | Party ID | | | 2020 Vote | | Family Income (3 category) | | | Region | | | |
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	31%	47%	29%	18%	53%	12%	28%	36%	*	*	31%	28%	41%
Increased a little	27%	24%	26%	32%	26%	32%	27%	32%	*	*	28%	26%	29%
Stayed the same	25%	12%	24%	38%	10%	43%	23%	23%	*	*	27%	30%	18%
Decreased a little	6%	8%	6%	3%	3%	4%	9%	3%	*	*	1%	7%	4%
Decreased a lot	2%	3%	1%	3%	1%	4%	2%	2%	*	*	2%	1%	2%
Not sure	9%	6%	14%	7%	7%	5%	11%	4%	*	*	11%	8%	6%
Totals	100%	100%	100%	101%	100%	100%	100%	100%	*	*	100%	100%	100%
Unweighted N	(501)	(165)	(195)	(141)	(189)	(184)	(208)	(154)	(92)	(80)	(108)	(201)	(112)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

YouGov

1C. Change in Frequency of Extreme Weather Events — Duststorms
In recent decades, do you think that the frequency of the following has increased or decreased?

Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	10%	8%	11%	*	9%	6%	13%	8%	*	*	*
Increased a little	15%	13%	16%	*	10%	16%	15%	16%	*	*	*
Stayed the same	31%	38%	26%	*	34%	37%	30%	33%	*	*	*
Decreased a little	4%	5%	4%	*	6%	3%	2%	4%	*	*	*
Decreased a lot	3%	5%	1%	*	2%	3%	5%	3%	*	*	*
Not sure	37%	32%	42%	*	40%	35%	36%	36%	*	*	*
Totals	100%	101%	100%	*	101%	100%	101%	100%	*	*	*
Unweighted N	(498)	(223)	(275)	(83)	(112)	(198)	(105)	(343)	(59)	(77)	(19)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	10%	12%	7%	10%	16%	7%	6%	16%	*	*	8%	10%	11%
Increased a little	15%	21%	14%	9%	21%	9%	14%	13%	*	*	11%	14%	22%
Stayed the same	31%	24%	34%	36%	24%	45%	29%	33%	*	*	35%	34%	30%
Decreased a little	4%	6%	3%	4%	2%	4%	7%	2%	*	*	2%	4%	2%
Decreased a lot	3%	2%	2%	5%	0%	6%	3%	4%	*	*	3%	4%	1%
Not sure	37%	35%	40%	36%	38%	29%	40%	32%	*	*	40%	35%	33%
Totals	100%	100%	100%	100%	101%	100%	99%	100%	*	*	99%	101%	99%
Unweighted N	(498)	(164)	(194)	(140)	(188)	(183)	(206)	(154)	(91)	(80)	(108)	(200)	(110)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

1D. Change in Frequency of Extreme Weather Events — Floods
In recent decades, do you think that the frequency of the following has increased or decreased?
Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	33%	27%	39%	*	27%	35%	38%	31%	*	*	*
Increased a little	27%	26%	28%	*	28%	25%	22%	29%	*	*	*
Stayed the same	25%	31%	19%	*	25%	27%	31%	27%	*	*	*
Decreased a little	3%	4%	2%	*	7%	2%	1%	2%	*	*	*
Decreased a lot	1%	2%	0%	*	2%	1%	0%	1%	*	*	*
Not sure	11%	10%	12%	*	12%	9%	7%	10%	*	*	*
Totals	100%	100%	100%	*	101%	99%	99%	100%	*	*	*
Unweighted N	(497)	(224)	(273)	(83)	(111)	(197)	(106)	(343)	(58)	(77)	(19)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	33%	49%	31%	21%	54%	17%	32%	38%	*	*	29%	34%	41%
Increased a little	27%	32%	24%	26%	32%	27%	25%	27%	*	*	27%	26%	23%
Stayed the same	25%	9%	26%	38%	8%	45%	26%	24%	*	*	31%	26%	22%
Decreased a little	3%	1%	5%	2%	0%	4%	3%	4%	*	*	7%	2%	1%
Decreased a lot	1%	1%	1%	1%	1%	2%	2%	0%	*	*	1%	1%	2%
Not sure	11%	9%	12%	12%	6%	7%	13%	6%	*	*	6%	11%	10%
Totals	100%	101%	99%	100%	101%	102%	101%	99%	*	*	101%	100%	99%
Unweighted N	(497)	(164)	(193)	(140)	(187)	(183)	(208)	(153)	(90)	(80)	(107)	(199)	(111)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

1E. Change in Frequency of Extreme Weather Events — Heat waves
In recent decades, do you think that the frequency of the following has increased or decreased?
Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	44%	35%	51%	*	43%	46%	42%	42%	*	*	*
Increased a little	28%	28%	27%	*	30%	23%	28%	27%	*	*	*
Stayed the same	21%	27%	16%	*	17%	28%	26%	24%	*	*	*
Decreased a little	4%	6%	2%	*	5%	1%	3%	4%	*	*	*
Decreased a lot	1%	2%	0%	*	1%	0%	0%	1%	*	*	*
Not sure	3%	2%	3%	*	4%	1%	2%	3%	*	*	*
Totals	101%	100%	99%	*	100%	99%	101%	101%	*	*	*
Unweighted N	(500)	(224)	(276)	(83)	(112)	(198)	(107)	(344)	(59)	(78)	(19)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	44%	64%	40%	28%	72%	21%	42%	51%	*	*	44%	44%	51%
Increased a little	28%	26%	28%	28%	21%	33%	30%	23%	*	*	22%	26%	31%
Stayed the same	21%	3%	22%	37%	3%	40%	19%	23%	*	*	29%	21%	16%
Decreased a little	4%	5%	4%	3%	2%	3%	5%	2%	*	*	1%	7%	2%
Decreased a lot	1%	0%	1%	1%	0%	1%	1%	0%	*	*	1%	0%	0%
Not sure	3%	1%	4%	2%	2%	3%	3%	2%	*	*	3%	2%	0%
Totals	101%	99%	99%	99%	100%	101%	100%	101%	*	*	100%	100%	100%
Unweighted N	(500)	(165)	(195)	(140)	(189)	(183)	(208)	(153)	(92)	(80)	(108)	(200)	(112)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

1F. Change in Frequency of Extreme Weather Events — Hurricanes
In recent decades, do you think that the frequency of the following has increased or decreased?
Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	22%	16%	28%	*	20%	22%	24%	21%	*	*	*
Increased a little	29%	26%	32%	*	28%	26%	31%	27%	*	*	*
Stayed the same	29%	35%	25%	*	32%	37%	28%	35%	*	*	*
Decreased a little	7%	7%	6%	*	9%	6%	9%	7%	*	*	*
Decreased a lot	1%	3%	0%	*	1%	0%	3%	2%	*	*	*
Not sure	11%	13%	8%	*	10%	8%	6%	9%	*	*	*
Totals	99%	100%	99%	*	100%	99%	101%	101%	*	*	*
Unweighted N	(501)	(224)	(277)	(83)	(112)	(198)	(108)	(345)	(59)	(78)	(19)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	22%	32%	20%	16%	35%	11%	22%	27%	*	*	21%	22%	27%
Increased a little	29%	35%	26%	28%	38%	29%	27%	30%	*	*	32%	30%	26%
Stayed the same	29%	20%	34%	33%	17%	44%	31%	27%	*	*	31%	33%	26%
Decreased a little	7%	6%	5%	9%	3%	10%	7%	6%	*	*	7%	5%	5%
Decreased a lot	1%	0%	1%	3%	0%	3%	1%	2%	*	*	1%	2%	0%
Not sure	11%	6%	14%	11%	8%	4%	12%	7%	*	*	8%	9%	17%
Totals	99%	99%	100%	100%	101%	101%	100%	99%	*	*	100%	101%	101%
Unweighted N	(501)	(165)	(195)	(141)	(189)	(184)	(208)	(154)	(92)	(80)	(108)	(201)	(112)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

YouGov

1G. Change in Frequency of Extreme Weather Events — Hailstorms
In recent decades, do you think that the frequency of the following has increased or decreased?
Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	13%	10%	16%	*	12%	12%	20%	12%	*	*	*
Increased a little	23%	15%	30%	*	15%	29%	19%	23%	*	*	*
Stayed the same	37%	48%	28%	*	41%	39%	40%	41%	*	*	*
Decreased a little	3%	4%	3%	*	8%	1%	3%	4%	*	*	*
Decreased a lot	2%	3%	1%	*	2%	1%	1%	1%	*	*	*
Not sure	21%	20%	22%	*	22%	17%	16%	19%	*	*	*
Totals	99%	100%	100%	*	100%	99%	99%	100%	*	*	*
Unweighted N	(500)	(223)	(277)	(83)	(112)	(197)	(108)	(344)	(59)	(78)	(19)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	13%	18%	11%	12%	21%	6%	14%	13%	*	*	13%	13%	16%
Increased a little	23%	28%	26%	16%	31%	17%	24%	27%	*	*	18%	27%	24%
Stayed the same	37%	27%	38%	46%	22%	57%	37%	33%	*	*	49%	36%	28%
Decreased a little	3%	3%	3%	4%	3%	4%	4%	3%	*	*	3%	2%	3%
Decreased a lot	2%	1%	2%	2%	1%	2%	1%	2%	*	*	1%	1%	3%
Not sure	21%	23%	20%	20%	23%	13%	20%	23%	*	*	15%	21%	26%
Totals	99%	100%	100%	100%	101%	99%	100%	101%	*	*	99%	100%	100%
Unweighted N	(500)	(165)	(194)	(141)	(189)	(183)	(208)	(153)	(92)	(80)	(107)	(201)	(112)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

YouGov

1H. Change in Frequency of Extreme Weather Events — Tornadoes
In recent decades, do you think that the frequency of the following has increased or decreased?
Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	26%	18%	33%	*	22%	30%	33%	24%	*	*	*
Increased a little	25%	18%	30%	*	27%	25%	26%	28%	*	*	*
Stayed the same	32%	40%	25%	*	30%	36%	34%	34%	*	*	*
Decreased a little	4%	6%	1%	*	9%	3%	1%	4%	*	*	*
Decreased a lot	1%	3%	0%	*	3%	0%	1%	1%	*	*	*
Not sure	12%	15%	9%	*	10%	6%	5%	9%	*	*	*
Totals	100%	100%	98%	*	101%	100%	100%	100%	*	*	*
Unweighted N	(498)	(224)	(274)	(83)	(111)	(196)	(108)	(344)	(59)	(76)	(19)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	26%	38%	24%	18%	46%	13%	25%	28%	*	*	20%	30%	28%
Increased a little	25%	28%	20%	27%	25%	26%	25%	28%	*	*	33%	20%	25%
Stayed the same	32%	20%	34%	41%	16%	49%	31%	32%	*	*	35%	37%	25%
Decreased a little	4%	2%	5%	4%	2%	5%	4%	4%	*	*	2%	5%	3%
Decreased a lot	1%	1%	1%	2%	1%	3%	2%	1%	*	*	2%	0%	0%
Not sure	12%	11%	16%	7%	10%	5%	12%	8%	*	*	7%	8%	18%
Totals	100%	100%	100%	99%	100%	101%	99%	101%	*	*	99%	100%	99%
Unweighted N	(498)	(164)	(194)	(140)	(189)	(183)	(207)	(153)	(91)	(80)	(108)	(201)	(109)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

1I. Change in Frequency of Extreme Weather Events — Volcanic eruptions
In recent decades, do you think that the frequency of the following has increased or decreased?
Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	8%	4%	12%	*	7%	9%	7%	8%	*	*	*
Increased a little	20%	20%	19%	*	25%	16%	23%	20%	*	*	*
Stayed the same	38%	44%	33%	*	35%	44%	42%	41%	*	*	*
Decreased a little	8%	10%	7%	*	8%	5%	7%	8%	*	*	*
Decreased a lot	3%	5%	1%	*	3%	3%	4%	2%	*	*	*
Not sure	23%	17%	27%	*	23%	22%	17%	20%	*	*	*
Totals	100%	100%	99%	*	101%	99%	100%	99%	*	*	*
Unweighted N	(498)	(223)	(275)	(83)	(111)	(198)	(106)	(344)	(58)	(77)	(19)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	8%	11%	7%	7%	10%	5%	11%	8%	*	*	6%	7%	13%
Increased a little	20%	19%	22%	16%	24%	16%	19%	19%	*	*	21%	17%	26%
Stayed the same	38%	33%	42%	39%	34%	48%	34%	46%	*	*	39%	38%	33%
Decreased a little	8%	8%	6%	11%	4%	10%	9%	6%	*	*	8%	10%	9%
Decreased a lot	3%	3%	2%	5%	3%	6%	3%	5%	*	*	3%	3%	4%
Not sure	23%	25%	21%	22%	26%	16%	25%	15%	*	*	25%	25%	15%
Totals	100%	99%	100%	100%	101%	101%	101%	99%	*	*	102%	100%	100%
Unweighted N	(498)	(164)	(194)	(140)	(188)	(183)	(207)	(154)	(90)	(80)	(107)	(199)	(112)

9

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

YouGov

1J. Change in Frequency of Extreme Weather Events — Wildfires
In recent decades, do you think that the frequency of the following has increased or decreased?
Asked of a randomly selected half of respondents

		Gender		Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	51%	44%	57%	*	39%	55%	58%	50%	*	*	*
Increased a little	23%	22%	23%	*	25%	20%	21%	22%	*	*	*
Stayed the same	16%	21%	12%	*	20%	18%	17%	19%	*	*	*
Decreased a little	3%	4%	2%	*	9%	3%	0%	3%	*	*	*
Decreased a lot	1%	3%	0%	*	3%	1%	0%	2%	*	*	*
Not sure	6%	6%	5%	*	4%	3%	3%	4%	*	*	*
Totals	100%	100%	99%	*	100%	100%	99%	100%	*	*	*
Unweighted N	(499)	(223)	(276)	(83)	(112)	(197)	(107)	(344)	(58)	(78)	(19)

		Party ID			2020 Vote		Family Income (3 category)			Region			
	Total	Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	51%	65%	49%	39%	75%	35%	48%	57%	*	*	55%	45%	62%
Increased a little	23%	19%	23%	27%	16%	32%	22%	25%	*	*	28%	19%	21%
Stayed the same	16%	9%	16%	22%	4%	26%	16%	14%	*	*	12%	21%	10%
Decreased a little	3%	2%	4%	3%	1%	2%	5%	2%	*	*	3%	4%	4%
Decreased a lot	1%	1%	1%	2%	1%	1%	2%	1%	*	*	1%	2%	0%
Not sure	6%	5%	7%	6%	3%	4%	8%	1%	*	*	1%	10%	2%
Totals	100%	101%	100%	99%	100%	100%	101%	100%	*	*	100%	101%	99%
Unweighted N	(499)	(164)	(195)	(140)	(188)	(183)	(208)	(154)	(91)	(80)	(107)	(201)	(111)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

YouGov

2A. Climate Change Responsibility for Increase in Frequency of Extreme Weather Events — Blizzards

How responsible, if at all, do you think climate change is for the increased frequency of the following?

Asked of people who say the frequency of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	26%	*	*	*	*	*	*	20%	*	*	*
Mostly responsible	35%	*	*	*	*	*	*	40%	*	*	*
Somewhat responsible	25%	*	*	*	*	*	*	27%	*	*	*
Not at all responsible	5%	*	*	*	*	*	*	7%	*	*	*
Not sure	8%	*	*	*	*	*	*	7%	*	*	*
Totals	99%	*	*	*	*	*	*	101%	*	*	*
Unweighted N	(149)	(61)	(88)	(23)	(26)	(63)	(37)	(100)	(20)	(21)	(8)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	26%	*	*	*	*	*	*	*	*	*	*	*	*
Mostly responsible	35%	*	*	*	*	*	*	*	*	*	*	*	*
Somewhat responsible	25%	*	*	*	*	*	*	*	*	*	*	*	*
Not at all responsible	5%	*	*	*	*	*	*	*	*	*	*	*	*
Not sure	8%	*	*	*	*	*	*	*	*	*	*	*	*
Totals	99%	*	*	*	*	*	*	*	*	*	*	*	*
Unweighted N	(149)	(79)	(49)	(21)	(92)	(26)	(59)	(49)	(31)	(13)	(30)	(66)	(40)

2B. Climate Change Responsibility for Increase in Frequency of Extreme Weather Events — Droughts
How responsible, if at all, do you think climate change is for the increased frequency of the following?

Asked of people who say the frequency of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	27%	28%	27%	*	*	22%	*	23%	*	*	*
Mostly responsible	29%	28%	29%	*	*	30%	*	30%	*	*	*
Somewhat responsible	25%	21%	28%	*	*	33%	*	28%	*	*	*
Not at all responsible	10%	12%	8%	*	*	9%	*	11%	*	*	*
Not sure	9%	11%	9%	*	*	5%	*	7%	*	*	*
Totals	100%	100%	101%	*	*	99%	*	99%	*	*	*
Unweighted N	(292)	(128)	(164)	(46)	(50)	(133)	(63)	(207)	(26)	(46)	(13)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	27%	41%	25%	*	38%	*	21%	25%	*	*	*	23%	*
Mostly responsible	29%	40%	27%	*	41%	*	29%	27%	*	*	*	32%	*
Somewhat responsible	25%	11%	33%	*	15%	*	31%	26%	*	*	*	26%	*
Not at all responsible	10%	0%	8%	*	1%	*	7%	12%	*	*	*	8%	*
Not sure	9%	8%	7%	*	5%	*	11%	9%	*	*	*	11%	*
Totals	100%	100%	100%	*	100%	*	99%	99%	*	*	*	100%	*
Unweighted N	(292)	(117)	(106)	(69)	(150)	(82)	(112)	(101)	(64)	(41)	(62)	(112)	(77)

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2C. Climate Change Responsibility for Increase in Frequency of Extreme Weather Events — Duststorms
How responsible, if at all, do you think climate change is for the increased frequency of the following?
Asked of people who say the frequency of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	21%	*	*	*	*	*	*	*	*	*	*
Mostly responsible	29%	*	*	*	*	*	*	*	*	*	*
Somewhat responsible	29%	*	*	*	*	*	*	*	*	*	*
Not at all responsible	9%	*	*	*	*	*	*	*	*	*	*
Not sure	13%	*	*	*	*	*	*	*	*	*	*
Totals	101%	*	*	*	*	*	*	*	*	*	*
Unweighted N	(125)	(49)	(76)	(21)	(24)	(48)	(32)	(87)	(12)	(22)	(4)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	21%	*	*	*	*	*	*	*	*	*	*	*	*
Mostly responsible	29%	*	*	*	*	*	*	*	*	*	*	*	*
Somewhat responsible	29%	*	*	*	*	*	*	*	*	*	*	*	*
Not at all responsible	9%	*	*	*	*	*	*	*	*	*	*	*	*
Not sure	13%	*	*	*	*	*	*	*	*	*	*	*	*
Totals	101%	*	*	*	*	*	*	*	*	*	*	*	*
Unweighted N	(125)	(58)	(43)	(24)	(72)	(28)	(45)	(42)	(28)	(17)	(22)	(47)	(39)

2D. Climate Change Responsibility for Increase in Frequency of Extreme Weather Events — Floods

How responsible, if at all, do you think climate change is for the increased frequency of the following?

Asked of people who say the frequency of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	22%	24%	21%	*	*	20%	*	20%	*	*	*
Mostly responsible	32%	33%	32%	*	*	30%	*	29%	*	*	*
Somewhat responsible	31%	28%	33%	*	*	37%	*	34%	*	*	*
Not at all responsible	9%	8%	9%	*	*	7%	*	10%	*	*	*
Not sure	5%	7%	4%	*	*	6%	*	7%	*	*	*
Totals	99%	100%	99%	*	*	100%	*	100%	*	*	*
Unweighted N	(306)	(121)	(185)	(49)	(71)	(120)	(66)	(207)	(39)	(47)	(13)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	22%	28%	24%	*	30%	*	21%	23%	*	*	*	24%	*
Mostly responsible	32%	46%	23%	*	44%	*	28%	38%	*	*	*	37%	*
Somewhat responsible	31%	18%	41%	*	19%	*	37%	23%	*	*	*	30%	*
Not at all responsible	9%	3%	5%	*	3%	*	9%	10%	*	*	*	6%	*
Not sure	5%	4%	7%	*	4%	*	5%	6%	*	*	*	3%	*
Totals	99%	99%	100%	*	100%	*	100%	100%	*	*	*	100%	*
Unweighted N	(306)	(133)	(110)	(63)	(161)	(78)	(120)	(100)	(63)	(49)	(63)	(122)	(72)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

YouGov

2E. Climate Change Responsibility for Increase in Frequency of Extreme Weather Events — Heat waves
How responsible, if at all, do you think climate change is for the increased frequency of the following?

Asked of people who say the frequency of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	29%	28%	29%	*	*	26%	*	26%	*	*	*
Mostly responsible	29%	31%	28%	*	*	34%	*	30%	*	*	*
Somewhat responsible	27%	24%	29%	*	*	25%	*	30%	*	*	*
Not at all responsible	7%	7%	6%	*	*	8%	*	8%	*	*	*
Not sure	9%	11%	7%	*	*	7%	*	7%	*	*	*
Totals	101%	101%	99%	*	*	100%	*	101%	*	*	*
Unweighted N	(357)	(142)	(215)	(60)	(83)	(137)	(77)	(241)	(45)	(56)	(15)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	29%	42%	27%	*	41%	*	23%	34%	*	*	*	33%	*
Mostly responsible	29%	34%	34%	*	41%	*	30%	25%	*	*	*	26%	*
Somewhat responsible	27%	14%	27%	*	12%	*	29%	25%	*	*	*	23%	*
Not at all responsible	7%	3%	5%	*	2%	*	8%	7%	*	*	*	7%	*
Not sure	9%	8%	7%	*	4%	*	10%	9%	*	*	*	10%	*
Totals	101%	101%	100%	*	100%	*	100%	100%	*	*	*	99%	*
Unweighted N	(357)	(149)	(129)	(79)	(174)	(97)	(147)	(112)	(68)	(51)	(72)	(146)	(88)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

YouGov

2F. Climate Change Responsibility for Increase in Frequency of Extreme Weather Events — Hurricanes
How responsible, if at all, do you think climate change is for the increased frequency of the following?

Asked of people who say the frequency of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	26%	*	26%	*	*	24%	*	24%	*	*	*
Mostly responsible	30%	*	23%	*	*	29%	*	28%	*	*	*
Somewhat responsible	27%	*	33%	*	*	33%	*	32%	*	*	*
Not at all responsible	9%	*	10%	*	*	9%	*	9%	*	*	*
Not sure	8%	*	8%	*	*	5%	*	8%	*	*	*
Totals	100%	*	100%	*	*	100%	*	101%	*	*	*
Unweighted N	(267)	(98)	(169)	(48)	(57)	(101)	(61)	(178)	(31)	(48)	(10)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	26%	39%	*	*	38%	*	21%	*	*	*	*	29%	*
Mostly responsible	30%	37%	*	*	34%	*	28%	*	*	*	*	30%	*
Somewhat responsible	27%	14%	*	*	21%	*	35%	*	*	*	*	29%	*
Not at all responsible	9%	2%	*	*	1%	*	8%	*	*	*	*	8%	*
Not sure	8%	8%	*	*	6%	*	8%	*	*	*	*	5%	*
Totals	100%	100%	*	*	100%	*	100%	*	*	*	*	101%	*
Unweighted N	(267)	(118)	(88)	(61)	(139)	(70)	(107)	(86)	(55)	(39)	(58)	(112)	(58)

2G. Climate Change Responsibility for Increase in Frequency of Extreme Weather Events — Hailstorms
How responsible, if at all, do you think climate change is for the increased frequency of the following?

Asked of people who say the frequency of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	24%	*	20%	*	*	*	*	20%	*	*	*
Mostly responsible	29%	*	28%	*	*	*	*	25%	*	*	*
Somewhat responsible	28%	*	31%	*	*	*	*	34%	*	*	*
Not at all responsible	9%	*	9%	*	*	*	*	10%	*	*	*
Not sure	11%	*	12%	*	*	*	*	10%	*	*	*
Totals	101%	*	100%	*	*	*	*	99%	*	*	*
Unweighted N	(185)	(64)	(121)	(29)	(33)	(79)	(44)	(123)	(22)	(32)	(8)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	24%	*	*	*	*	*	*	*	*	*	*	*	*
Mostly responsible	29%	*	*	*	*	*	*	*	*	*	*	*	*
Somewhat responsible	28%	*	*	*	*	*	*	*	*	*	*	*	*
Not at all responsible	9%	*	*	*	*	*	*	*	*	*	*	*	*
Not sure	11%	*	*	*	*	*	*	*	*	*	*	*	*
Totals	101%	*	*	*	*	*	*	*	*	*	*	*	*
Unweighted N	(185)	(80)	(66)	(39)	(98)	(42)	(78)	(60)	(34)	(23)	(33)	(86)	(43)

2H. Climate Change Responsibility for Increase in Frequency of Extreme Weather Events — Tornadoes
How responsible, if at all, do you think climate change is for the increased frequency of the following?
Asked of people who say the frequency of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	23%	*	22%	*	*	18%	*	21%	*	*	*
Mostly responsible	26%	*	23%	*	*	28%	*	24%	*	*	*
Somewhat responsible	30%	*	34%	*	*	39%	*	30%	*	*	*
Not at all responsible	11%	*	9%	*	*	6%	*	13%	*	*	*
Not sure	10%	*	12%	*	*	8%	*	12%	*	*	*
Totals	100%	*	100%	*	*	99%	*	100%	*	*	*
Unweighted N	(261)	(89)	(172)	(30)	(56)	(110)	(65)	(181)	(32)	(39)	(9)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	23%	31%	*	*	32%	*	20%	*	*	*	*	26%	*
Mostly responsible	26%	38%	*	*	39%	*	21%	*	*	*	*	24%	*
Somewhat responsible	30%	16%	*	*	21%	*	39%	*	*	*	*	31%	*
Not at all responsible	11%	4%	*	*	3%	*	8%	*	*	*	*	9%	*
Not sure	10%	11%	*	*	5%	*	11%	*	*	*	*	9%	*
Totals	100%	100%	*	*	100%	*	99%	*	*	*	*	99%	*
Unweighted N	(261)	(109)	(88)	(64)	(137)	(68)	(110)	(85)	(50)	(34)	(62)	(108)	(57)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

2I. Climate Change Responsibility for Increase in Frequency of Extreme Weather Events — Volcanic eruptions
How responsible, if at all, do you think climate change is for the increased frequency of the following?

Asked of people who say the frequency of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	22%	*	*	*	*	*	*	*	*	*	*
Mostly responsible	18%	*	*	*	*	*	*	*	*	*	*
Somewhat responsible	31%	*	*	*	*	*	*	*	*	*	*
Not at all responsible	14%	*	*	*	*	*	*	*	*	*	*
Not sure	15%	*	*	*	*	*	*	*	*	*	*
Totals	100%	*	*	*	*	*	*	*	*	*	*
Unweighted N	(131)	(50)	(81)	(20)	(32)	(46)	(33)	(88)	(17)	(23)	(3)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	22%	*	*	*	*	*	*	*	*	*	*	*	*
Mostly responsible	18%	*	*	*	*	*	*	*	*	*	*	*	*
Somewhat responsible	31%	*	*	*	*	*	*	*	*	*	*	*	*
Not at all responsible	14%	*	*	*	*	*	*	*	*	*	*	*	*
Not sure	15%	*	*	*	*	*	*	*	*	*	*	*	*
Totals	100%	*	*	*	*	*	*	*	*	*	*	*	*
Unweighted N	(131)	(50)	(50)	(31)	(64)	(34)	(57)	(41)	(22)	(16)	(27)	(47)	(41)

2J. Climate Change Responsibility for Increase in Frequency of Extreme Weather Events — Wildfires
How responsible, if at all, do you think climate change is for the increased frequency of the following?

Asked of people who say the frequency of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	24%	23%	26%	*	*	17%	*	22%	*	*	*
Mostly responsible	26%	27%	26%	*	*	28%	*	27%	*	*	*
Somewhat responsible	25%	22%	26%	*	*	28%	*	25%	*	*	*
Not at all responsible	18%	21%	16%	*	*	21%	*	21%	*	*	*
Not sure	7%	7%	6%	*	*	5%	*	6%	*	*	*
Totals	100%	100%	100%	*	*	99%	*	101%	*	*	*
Unweighted N	(376)	(154)	(222)	(58)	(78)	(152)	(88)	(261)	(36)	(61)	(18)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	24%	40%	20%	*	37%	7%	27%	22%	*	*	*	34%	*
Mostly responsible	26%	36%	26%	*	37%	10%	19%	30%	*	*	*	21%	*
Somewhat responsible	25%	17%	28%	*	20%	31%	30%	22%	*	*	*	24%	*
Not at all responsible	18%	3%	16%	*	2%	46%	16%	17%	*	*	*	15%	*
Not sure	7%	4%	9%	*	4%	5%	8%	8%	*	*	*	5%	*
Totals	100%	100%	99%	*	100%	99%	100%	99%	*	*	*	99%	*
Unweighted N	(376)	(141)	(141)	(94)	(172)	(124)	(148)	(127)	(68)	(60)	(89)	(135)	(92)

3A. Change in Severity of Extreme Weather Events — Blizzards
In recent decades, do you think that the severity of the following has increased or decreased?
Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	16%	17%	16%	*	15%	17%	14%	12%	*	*	*
Increased a little	20%	16%	24%	*	19%	18%	26%	24%	*	*	*
Stayed the same	28%	37%	20%	*	20%	37%	36%	30%	*	*	*
Decreased a little	10%	6%	14%	*	10%	7%	8%	10%	*	*	*
Decreased a lot	8%	10%	5%	*	15%	6%	3%	9%	*	*	*
Not sure	17%	14%	20%	*	21%	15%	12%	15%	*	*	*
Totals	99%	100%	99%	*	100%	100%	99%	100%	*	*	*
Unweighted N	(498)	(232)	(266)	(71)	(128)	(198)	(101)	(326)	(74)	(67)	(31)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	16%	28%	16%	2%	29%	4%	21%	13%	*	18%	12%	14%	23%
Increased a little	20%	24%	19%	18%	26%	23%	16%	22%	*	18%	22%	18%	24%
Stayed the same	28%	22%	25%	42%	19%	43%	27%	31%	*	26%	31%	29%	27%
Decreased a little	10%	9%	8%	15%	8%	9%	12%	10%	*	15%	13%	10%	5%
Decreased a lot	8%	2%	11%	11%	2%	8%	5%	6%	*	6%	10%	11%	2%
Not sure	17%	16%	21%	12%	15%	13%	18%	17%	*	16%	12%	19%	19%
Totals	99%	101%	100%	100%	99%	100%	99%	99%	*	99%	100%	101%	100%
Unweighted N	(498)	(178)	(198)	(122)	(200)	(148)	(197)	(146)	(98)	(101)	(105)	(178)	(114)

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July 10 - 13, 2023 - 1000 U.S. adult citizens

3B. Change in Severity of Extreme Weather Events — Droughts
In recent decades, do you think that the severity of the following has increased or decreased?
Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	33%	28%	39%	*	30%	36%	40%	35%	*	*	*
Increased a little	26%	29%	23%	*	27%	27%	28%	26%	*	*	*
Stayed the same	21%	25%	16%	*	15%	24%	23%	24%	*	*	*
Decreased a little	6%	9%	4%	*	13%	7%	2%	6%	*	*	*
Decreased a lot	3%	2%	4%	*	4%	1%	2%	1%	*	*	*
Not sure	11%	8%	14%	*	11%	6%	5%	7%	*	*	*
Totals	100%	101%	100%	*	100%	101%	100%	99%	*	*	*
Unweighted N	(498)	(233)	(265)	(71)	(127)	(198)	(102)	(325)	(75)	(67)	(31)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	33%	48%	32%	17%	53%	18%	39%	26%	*	35%	34%	32%	35%
Increased a little	26%	25%	25%	28%	23%	32%	25%	28%	*	21%	27%	25%	30%
Stayed the same	21%	13%	14%	40%	10%	37%	16%	31%	*	18%	18%	24%	20%
Decreased a little	6%	3%	12%	3%	4%	3%	5%	3%	*	6%	5%	8%	4%
Decreased a lot	3%	3%	2%	3%	4%	3%	3%	3%	*	3%	2%	2%	4%
Not sure	11%	8%	15%	10%	7%	6%	11%	8%	*	17%	14%	9%	8%
Totals	100%	100%	100%	101%	101%	99%	99%	99%	*	100%	100%	100%	101%
Unweighted N	(498)	(177)	(198)	(123)	(199)	(149)	(196)	(147)	(98)	(101)	(105)	(178)	(114)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

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3C. Change in Severity of Extreme Weather Events — Duststorms
In recent decades, do you think that the severity of the following has increased or decreased?

Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	11%	13%	9%	*	12%	11%	10%	9%	*	*	*
Increased a little	17%	19%	15%	*	18%	17%	13%	17%	*	*	*
Stayed the same	29%	32%	25%	*	22%	34%	40%	35%	*	*	*
Decreased a little	4%	6%	2%	*	7%	1%	5%	4%	*	*	*
Decreased a lot	5%	6%	5%	*	11%	2%	3%	5%	*	*	*
Not sure	34%	23%	44%	*	30%	35%	29%	30%	*	*	*
Totals	100%	99%	100%	*	100%	100%	100%	100%	*	*	*
Unweighted N	(498)	(233)	(265)	(71)	(128)	(198)	(101)	(325)	(75)	(67)	(31)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	11%	15%	10%	7%	17%	4%	15%	9%	*	14%	13%	11%	6%
Increased a little	17%	22%	17%	11%	22%	18%	18%	13%	*	11%	16%	12%	31%
Stayed the same	29%	23%	25%	43%	16%	45%	30%	33%	*	24%	27%	33%	28%
Decreased a little	4%	5%	2%	7%	3%	5%	4%	7%	*	6%	3%	5%	3%
Decreased a lot	5%	4%	6%	6%	4%	4%	4%	5%	*	4%	7%	6%	4%
Not sure	34%	32%	40%	27%	38%	25%	29%	34%	*	41%	34%	33%	28%
Totals	100%	101%	100%	101%	100%	101%	100%	101%	*	100%	100%	100%	100%
Unweighted N	(498)	(177)	(198)	(123)	(199)	(149)	(197)	(146)	(98)	(101)	(105)	(178)	(114)

23

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July 10 - 13, 2023 - 1000 U.S. adult citizens

3D. Change in Severity of Extreme Weather Events — Floods
In recent decades, do you think that the severity of the following has increased or decreased?

Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	36%	32%	39%	*	37%	34%	46%	33%	*	*	*
Increased a little	28%	26%	30%	*	24%	27%	32%	29%	*	*	*
Stayed the same	21%	24%	16%	*	21%	24%	16%	25%	*	*	*
Decreased a little	7%	8%	5%	*	12%	4%	3%	6%	*	*	*
Decreased a lot	2%	4%	0%	*	4%	1%	0%	1%	*	*	*
Not sure	7%	6%	8%	*	3%	9%	3%	6%	*	*	*
Totals	101%	100%	98%	*	101%	99%	100%	100%	*	*	*
Unweighted N	(497)	(231)	(266)	(71)	(127)	(198)	(101)	(324)	(75)	(67)	(31)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	36%	52%	34%	17%	57%	17%	42%	34%	*	39%	34%	37%	32%
Increased a little	28%	26%	30%	29%	26%	36%	28%	26%	*	34%	27%	27%	26%
Stayed the same	21%	10%	18%	39%	8%	37%	16%	26%	*	12%	26%	16%	31%
Decreased a little	7%	7%	6%	6%	5%	2%	6%	6%	*	4%	4%	11%	4%
Decreased a lot	2%	1%	2%	3%	1%	2%	1%	1%	*	1%	4%	3%	0%
Not sure	7%	4%	10%	6%	4%	7%	8%	7%	*	10%	5%	6%	7%
Totals	101%	100%	100%	100%	101%	101%	101%	100%	*	100%	100%	100%	100%
Unweighted N	(497)	(178)	(197)	(122)	(200)	(147)	(197)	(145)	(98)	(101)	(105)	(179)	(112)

24

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July 10 - 13, 2023 - 1000 U.S. adult citizens

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3E. Change in Severity of Extreme Weather Events — Heat waves
In recent decades, do you think that the severity of the following has increased or decreased?

Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	46%	40%	53%	*	44%	45%	51%	44%	*	*	*
Increased a little	24%	25%	23%	*	24%	20%	30%	24%	*	*	*
Stayed the same	18%	23%	13%	*	14%	26%	19%	23%	*	*	*
Decreased a little	4%	5%	3%	*	7%	4%	1%	3%	*	*	*
Decreased a lot	2%	3%	2%	*	5%	2%	0%	2%	*	*	*
Not sure	5%	4%	6%	*	6%	4%	0%	4%	*	*	*
Totals	99%	100%	100%	*	100%	101%	101%	100%	*	*	*
Unweighted N	(498)	(233)	(265)	(71)	(127)	(198)	(102)	(326)	(74)	(67)	(31)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	46%	66%	43%	25%	65%	28%	54%	38%	*	46%	44%	47%	47%
Increased a little	24%	22%	28%	23%	25%	22%	19%	30%	*	25%	19%	28%	24%
Stayed the same	18%	4%	14%	43%	3%	43%	15%	25%	*	15%	26%	16%	16%
Decreased a little	4%	3%	6%	2%	4%	1%	4%	2%	*	5%	4%	3%	5%
Decreased a lot	2%	2%	3%	2%	1%	2%	1%	1%	*	2%	2%	3%	2%
Not sure	5%	3%	7%	5%	2%	4%	7%	3%	*	6%	6%	3%	7%
Totals	99%	100%	101%	100%	100%	100%	100%	99%	*	99%	101%	100%	101%
Unweighted N	(498)	(178)	(197)	(123)	(200)	(149)	(197)	(147)	(98)	(101)	(105)	(178)	(114)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

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3F. Change in Severity of Extreme Weather Events — Hurricanes
In recent decades, do you think that the severity of the following has increased or decreased?

Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	28%	25%	31%	*	22%	27%	36%	28%	*	*	*
Increased a little	25%	22%	28%	*	28%	25%	28%	25%	*	*	*
Stayed the same	27%	31%	23%	*	27%	30%	25%	31%	*	*	*
Decreased a little	9%	10%	8%	*	14%	8%	6%	8%	*	*	*
Decreased a lot	2%	3%	1%	*	4%	1%	0%	2%	*	*	*
Not sure	9%	9%	9%	*	4%	8%	5%	7%	*	*	*
Totals	100%	100%	100%	*	99%	99%	100%	101%	*	*	*
Unweighted N	(498)	(232)	(266)	(70)	(128)	(198)	(102)	(325)	(75)	(67)	(31)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	28%	42%	24%	16%	42%	17%	35%	24%	*	28%	28%	24%	34%
Increased a little	25%	32%	24%	18%	33%	18%	23%	26%	*	26%	26%	26%	23%
Stayed the same	27%	13%	26%	47%	15%	45%	24%	33%	*	27%	27%	27%	27%
Decreased a little	9%	6%	9%	13%	3%	12%	9%	8%	*	6%	9%	13%	6%
Decreased a lot	2%	1%	2%	2%	2%	2%	2%	2%	*	2%	1%	4%	0%
Not sure	9%	6%	15%	4%	6%	6%	8%	8%	*	11%	10%	6%	11%
Totals	100%	100%	100%	100%	101%	100%	101%	101%	*	100%	101%	100%	101%
Unweighted N	(498)	(177)	(198)	(123)	(200)	(149)	(196)	(147)	(98)	(101)	(105)	(178)	(114)

26

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

3G. Change in Severity of Extreme Weather Events — Hailstorms
In recent decades, do you think that the severity of the following has increased or decreased?
Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	15%	15%	16%	*	12%	17%	16%	15%	*	*	*
Increased a little	21%	19%	23%	*	19%	22%	28%	22%	*	*	*
Stayed the same	35%	37%	33%	*	34%	38%	37%	40%	*	*	*
Decreased a little	8%	8%	7%	*	11%	7%	2%	6%	*	*	*
Decreased a lot	3%	4%	2%	*	8%	1%	0%	2%	*	*	*
Not sure	18%	17%	19%	*	15%	16%	17%	14%	*	*	*
Totals	100%	100%	100%	*	99%	101%	100%	99%	*	*	*
Unweighted N	(498)	(232)	(266)	(70)	(128)	(198)	(102)	(326)	(75)	(67)	(30)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	15%	21%	13%	10%	24%	11%	14%	19%	*	18%	16%	12%	17%
Increased a little	21%	29%	18%	15%	26%	20%	23%	21%	*	20%	16%	25%	19%
Stayed the same	35%	23%	33%	54%	22%	49%	34%	39%	*	31%	40%	38%	29%
Decreased a little	8%	7%	8%	9%	6%	7%	9%	6%	*	9%	5%	9%	6%
Decreased a lot	3%	2%	5%	1%	1%	1%	2%	1%	*	4%	4%	3%	2%
Not sure	18%	18%	22%	11%	21%	13%	18%	13%	*	18%	18%	12%	27%
Totals	100%	100%	99%	100%	100%	101%	100%	99%	*	100%	99%	99%	100%
Unweighted N	(498)	(177)	(198)	(123)	(200)	(149)	(197)	(147)	(98)	(100)	(105)	(179)	(114)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

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3H. Change in Severity of Extreme Weather Events — Tornadoes
In recent decades, do you think that the severity of the following has increased or decreased?
Asked of a randomly selected half of respondents

| | Total | Gender | | Age (4 category) | | | | Race (4 category) | | | |
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	27%	25%	29%	*	23%	30%	37%	27%	*	*	*
Increased a little	23%	19%	28%	*	20%	24%	34%	26%	*	*	*
Stayed the same	30%	34%	27%	*	29%	33%	26%	33%	*	*	*
Decreased a little	5%	7%	3%	*	9%	4%	1%	5%	*	*	*
Decreased a lot	4%	5%	3%	*	7%	1%	0%	3%	*	*	*
Not sure	10%	11%	10%	*	12%	9%	2%	7%	*	*	*
Totals	99%	101%	100%	*	100%	101%	100%	101%	*	*	*
Unweighted N	(499)	(233)	(266)	(71)	(128)	(198)	(102)	(326)	(75)	(67)	(31)

| | Total | Party ID | | | 2020 Vote | | Family Income (3 category) | | | Region | | | |
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	27%	36%	27%	16%	40%	18%	32%	24%	*	27%	23%	30%	26%
Increased a little	23%	28%	20%	21%	30%	21%	24%	25%	*	27%	27%	23%	18%
Stayed the same	30%	17%	32%	46%	15%	48%	27%	36%	*	26%	34%	33%	27%
Decreased a little	5%	5%	3%	7%	3%	5%	3%	6%	*	4%	3%	7%	4%
Decreased a lot	4%	4%	3%	4%	2%	1%	5%	0%	*	5%	6%	3%	2%
Not sure	10%	10%	14%	6%	9%	7%	10%	8%	*	12%	6%	5%	23%
Totals	99%	100%	99%	100%	99%	100%	101%	99%	*	101%	99%	101%	100%
Unweighted N	(499)	(178)	(198)	(123)	(200)	(149)	(197)	(147)	(98)	(101)	(105)	(179)	(114)

28

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

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3l. Change in Severity of Extreme Weather Events — Volcanic eruptions
In recent decades, do you think that the severity of the following has increased or decreased?

Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	9%	8%	9%	*	8%	7%	10%	8%	*	*	*
Increased a little	19%	17%	21%	*	20%	21%	21%	22%	*	*	*
Stayed the same	39%	46%	31%	*	32%	40%	39%	39%	*	*	*
Decreased a little	5%	5%	4%	*	3%	4%	8%	4%	*	*	*
Decreased a lot	6%	8%	4%	*	15%	3%	0%	5%	*	*	*
Not sure	23%	16%	31%	*	21%	25%	22%	21%	*	*	*
Totals	101%	100%	100%	*	99%	100%	100%	99%	*	*	*
Unweighted N	(497)	(233)	(264)	(71)	(127)	(197)	(102)	(325)	(75)	(66)	(31)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	9%	6%	12%	7%	9%	5%	13%	7%	*	*	15%	6%	4%
Increased a little	19%	25%	17%	13%	20%	18%	19%	21%	*	*	14%	21%	25%
Stayed the same	39%	40%	31%	47%	40%	45%	37%	40%	*	*	37%	36%	40%
Decreased a little	5%	6%	2%	7%	3%	8%	3%	7%	*	*	2%	8%	3%
Decreased a lot	6%	3%	7%	9%	3%	4%	6%	4%	*	*	6%	9%	3%
Not sure	23%	20%	30%	17%	26%	19%	22%	20%	*	*	27%	19%	25%
Totals	101%	100%	99%	100%	101%	99%	100%	99%	*	*	101%	99%	100%
Unweighted N	(497)	(177)	(198)	(122)	(200)	(148)	(196)	(146)	(98)	(99)	(105)	(179)	(114)

3J. Change in Severity of Extreme Weather Events — Wildfires

In recent decades, do you think that the severity of the following has increased or decreased?

Asked of a randomly selected half of respondents

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Increased a lot	50%	45%	55%	*	43%	52%	60%	50%	*	*	*
Increased a little	26%	25%	27%	*	30%	21%	23%	26%	*	*	*
Stayed the same	15%	20%	9%	*	13%	19%	13%	15%	*	*	*
Decreased a little	3%	4%	2%	*	6%	3%	0%	4%	*	*	*
Decreased a lot	1%	2%	1%	*	4%	0%	0%	1%	*	*	*
Not sure	5%	4%	6%	*	4%	5%	4%	3%	*	*	*
Totals	100%	100%	100%	*	100%	100%	100%	99%	*	*	*
Unweighted N	(499)	(233)	(266)	(71)	(128)	(198)	(102)	(326)	(75)	(67)	(31)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Increased a lot	50%	64%	46%	38%	68%	34%	56%	47%	*	54%	48%	46%	56%
Increased a little	26%	22%	29%	26%	20%	29%	27%	22%	*	23%	31%	26%	23%
Stayed the same	15%	8%	12%	27%	6%	28%	11%	20%	*	14%	16%	14%	16%
Decreased a little	3%	2%	4%	4%	3%	2%	2%	4%	*	3%	1%	5%	3%
Decreased a lot	1%	1%	2%	0%	0%	1%	0%	1%	*	0%	1%	2%	0%
Not sure	5%	2%	6%	6%	3%	6%	4%	6%	*	6%	4%	6%	2%
Totals	100%	99%	99%	101%	100%	100%	100%	100%	*	100%	101%	99%	100%
Unweighted N	(499)	(178)	(198)	(123)	(200)	(149)	(197)	(147)	(98)	(101)	(105)	(179)	(114)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

YouGov

4A. Climate Change Responsibility for Increase in Severity of Extreme Weather Events — Blizzards

How responsible, if at all, do you think climate change is for the increased severity of the following?

Asked of people who say the severity of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	30%	*	24%	*	*	*	*	22%	*	*	*
Mostly responsible	31%	*	33%	*	*	*	*	37%	*	*	*
Somewhat responsible	21%	*	19%	*	*	*	*	21%	*	*	*
Not at all responsible	11%	*	14%	*	*	*	*	13%	*	*	*
Not sure	6%	*	10%	*	*	*	*	7%	*	*	*
Totals	99%	*	100%	*	*	*	*	100%	*	*	*
Unweighted N	(179)	(72)	(107)	(23)	(44)	(70)	(42)	(120)	(26)	(21)	(12)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	30%	*	*	*	35%	*	*	*	*	*	*	*	*
Mostly responsible	31%	*	*	*	36%	*	*	*	*	*	*	*	*
Somewhat responsible	21%	*	*	*	21%	*	*	*	*	*	*	*	*
Not at all responsible	11%	*	*	*	2%	*	*	*	*	*	*	*	*
Not sure	6%	*	*	*	6%	*	*	*	*	*	*	*	*
Totals	99%	*	*	*	100%	*	*	*	*	*	*	*	*
Unweighted N	(179)	(89)	(66)	(24)	(105)	(33)	(69)	(55)	(36)	(34)	(35)	(61)	(49)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

YouGov

4B. Climate Change Responsibility for Increase in Severity of Extreme Weather Events — Droughts
How responsible, if at all, do you think climate change is for the increased severity of the following?

Asked of people who say the severity of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	30%	29%	30%	*	*	29%	*	23%	*	*	*
Mostly responsible	35%	32%	37%	*	*	29%	*	40%	*	*	*
Somewhat responsible	24%	25%	22%	*	*	24%	*	25%	*	*	*
Not at all responsible	8%	11%	5%	*	*	14%	*	9%	*	*	*
Not sure	4%	2%	6%	*	*	4%	*	3%	*	*	*
Totals	101%	99%	100%	*	*	100%	*	100%	*	*	*
Unweighted N	(296)	(128)	(168)	(31)	(66)	(129)	(70)	(208)	(37)	(36)	(15)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	30%	39%	29%	*	39%	*	33%	*	*	*	*	*	*
Mostly responsible	35%	43%	31%	*	39%	*	32%	*	*	*	*	*	*
Somewhat responsible	24%	15%	31%	*	19%	*	21%	*	*	*	*	*	*
Not at all responsible	8%	1%	6%	*	1%	*	9%	*	*	*	*	*	*
Not sure	4%	1%	4%	*	2%	*	3%	*	*	*	*	*	*
Totals	101%	99%	101%	*	100%	*	98%	*	*	*	*	*	*
Unweighted N	(296)	(126)	(114)	(56)	(154)	(72)	(123)	(81)	(64)	(58)	(69)	(98)	(71)

4C. Climate Change Responsibility for Increase in Severity of Extreme Weather Events — Duststorms

How responsible, if at all, do you think climate change is for the increased severity of the following?

Asked of people who say the severity of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	26%	*	*	*	*	*	*	*	*	*	*
Mostly responsible	39%	*	*	*	*	*	*	*	*	*	*
Somewhat responsible	20%	*	*	*	*	*	*	*	*	*	*
Not at all responsible	7%	*	*	*	*	*	*	*	*	*	*
Not sure	7%	*	*	*	*	*	*	*	*	*	*
Totals	99%	*	*	*	*	*	*	*	*	*	*
Unweighted N	(137)	(69)	(68)	(20)	(34)	(57)	(26)	(89)	(21)	(19)	(8)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	26%	*	*	*	*	*	*	*	*	*	*	*	*
Mostly responsible	39%	*	*	*	*	*	*	*	*	*	*	*	*
Somewhat responsible	20%	*	*	*	*	*	*	*	*	*	*	*	*
Not at all responsible	7%	*	*	*	*	*	*	*	*	*	*	*	*
Not sure	7%	*	*	*	*	*	*	*	*	*	*	*	*
Totals	99%	*	*	*	*	*	*	*	*	*	*	*	*
Unweighted N	(137)	(60)	(53)	(24)	(75)	(28)	(62)	(36)	(28)	(27)	(34)	(43)	(33)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

YouGov

4D. Climate Change Responsibility for Increase in Severity of Extreme Weather Events — Floods
How responsible, if at all, do you think climate change is for the increased severity of the following?

Asked of people who say the severity of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	28%	31%	25%	*	*	29%	*	22%	*	*	*
Mostly responsible	30%	30%	31%	*	*	27%	*	36%	*	*	*
Somewhat responsible	22%	19%	23%	*	*	25%	*	21%	*	*	*
Not at all responsible	12%	13%	10%	*	*	13%	*	14%	*	*	*
Not sure	9%	6%	11%	*	*	5%	*	7%	*	*	*
Totals	101%	99%	100%	*	*	99%	*	100%	*	*	*
Unweighted N	(326)	(138)	(188)	(39)	(80)	(130)	(77)	(210)	(51)	(46)	(19)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	28%	40%	24%	*	38%	*	30%	*	*	*	*	28%	*
Mostly responsible	30%	39%	28%	*	36%	*	28%	*	*	*	*	26%	*
Somewhat responsible	22%	17%	23%	*	19%	*	19%	*	*	*	*	26%	*
Not at all responsible	12%	1%	14%	*	1%	*	13%	*	*	*	*	13%	*
Not sure	9%	3%	12%	*	6%	*	10%	*	*	*	*	7%	*
Totals	101%	100%	101%	*	100%	*	100%	*	*	*	*	100%	*
Unweighted N	(326)	(137)	(132)	(57)	(166)	(76)	(136)	(93)	(65)	(76)	(70)	(117)	(63)

34

4E. Climate Change Responsibility for Increase in Severity of Extreme Weather Events — Heat waves
How responsible, if at all, do you think climate change is for the increased severity of the following?
Asked of people who say the severity of each has increased in recent decades

		Gender		Age (4 category)				Race (4 category)			
	Total	Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	33%	35%	32%	*	*	33%	*	30%	*	*	*
Mostly responsible	31%	29%	33%	*	*	30%	*	35%	*	*	*
Somewhat responsible	21%	23%	19%	*	*	24%	*	20%	*	*	*
Not at all responsible	9%	8%	9%	*	*	5%	*	9%	*	*	*
Not sure	7%	6%	8%	*	*	8%	*	7%	*	*	*
Totals	101%	101%	101%	*	*	100%	*	101%	*	*	*
Unweighted N	(349)	(149)	(200)	(48)	(88)	(134)	(79)	(231)	(50)	(48)	(20)

		Party ID			2020 Vote		Family Income (3 category)			Region			
	Total	Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	33%	44%	30%	*	43%	*	36%	34%	*	*	*	29%	*
Mostly responsible	31%	35%	30%	*	35%	*	31%	25%	*	*	*	29%	*
Somewhat responsible	21%	15%	21%	*	16%	*	15%	25%	*	*	*	25%	*
Not at all responsible	9%	2%	9%	*	1%	*	9%	9%	*	*	*	11%	*
Not sure	7%	3%	10%	*	5%	*	9%	7%	*	*	*	6%	*
Totals	101%	99%	100%	*	100%	*	100%	100%	*	*	*	100%	*
Unweighted N	(349)	(153)	(136)	(60)	(180)	(71)	(141)	(102)	(69)	(69)	(71)	(132)	(77)

4F. Climate Change Responsibility for Increase in Severity of Extreme Weather Events — Hurricanes
How responsible, if at all, do you think climate change is for the increased severity of the following?
Asked of people who say the severity of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	35%	44%	29%	*	*	31%	*	32%	*	*	*
Mostly responsible	27%	24%	29%	*	*	30%	*	30%	*	*	*
Somewhat responsible	23%	19%	26%	*	*	29%	*	24%	*	*	*
Not at all responsible	9%	9%	9%	*	*	8%	*	11%	*	*	*
Not sure	6%	4%	7%	*	*	2%	*	4%	*	*	*
Totals	100%	100%	100%	*	*	100%	*	101%	*	*	*
Unweighted N	(271)	(110)	(161)	(31)	(72)	(107)	(61)	(180)	(45)	(30)	(16)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	35%	49%	28%	*	42%	*	37%	*	*	*	*	*	*
Mostly responsible	27%	28%	28%	*	28%	*	33%	*	*	*	*	*	*
Somewhat responsible	23%	19%	26%	*	25%	*	17%	*	*	*	*	*	*
Not at all responsible	9%	0%	10%	*	0%	*	7%	*	*	*	*	*	*
Not sure	6%	4%	7%	*	5%	*	7%	*	*	*	*	*	*
Totals	100%	100%	99%	*	100%	*	101%	*	*	*	*	*	*
Unweighted N	(271)	(128)	(102)	(41)	(151)	(47)	(116)	(76)	(54)	(59)	(58)	(92)	(62)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

4G. Climate Change Responsibility for Increase in Severity of Extreme Weather Events — Hailstorms

How responsible, if at all, do you think climate change is for the increased severity of the following?

Asked of people who say the severity of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	29%	*	26%	*	*	*	*	28%	*	*	*
Mostly responsible	26%	*	35%	*	*	*	*	26%	*	*	*
Somewhat responsible	28%	*	26%	*	*	*	*	27%	*	*	*
Not at all responsible	7%	*	4%	*	*	*	*	9%	*	*	*
Not sure	10%	*	9%	*	*	*	*	10%	*	*	*
Totals	100%	*	100%	*	*	*	*	100%	*	*	*
Unweighted N	(189)	(78)	(111)	(17)	(43)	(83)	(46)	(131)	(28)	(21)	(9)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	29%	*	*	*	34%	*	*	*	*	*	*	*	*
Mostly responsible	26%	*	*	*	35%	*	*	*	*	*	*	*	*
Somewhat responsible	28%	*	*	*	25%	*	*	*	*	*	*	*	*
Not at all responsible	7%	*	*	*	1%	*	*	*	*	*	*	*	*
Not sure	10%	*	*	*	5%	*	*	*	*	*	*	*	*
Totals	100%	*	*	*	100%	*	*	*	*	*	*	*	*
Unweighted N	(189)	(89)	(69)	(31)	(105)	(40)	(69)	(65)	(41)	(37)	(41)	(69)	(42)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

4H. Climate Change Responsibility for Increase in Severity of Extreme Weather Events — Tornadoes

How responsible, if at all, do you think climate change is for the increased severity of the following?

Asked of people who say the severity of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	30%	34%	27%	*	*	29%	*	25%	*	*	*
Mostly responsible	30%	27%	32%	*	*	30%	*	34%	*	*	*
Somewhat responsible	20%	20%	20%	*	*	22%	*	20%	*	*	*
Not at all responsible	13%	15%	12%	*	*	12%	*	16%	*	*	*
Not sure	7%	5%	9%	*	*	7%	*	5%	*	*	*
Totals	100%	101%	100%	*	*	100%	*	100%	*	*	*
Unweighted N	(257)	(105)	(152)	(23)	(57)	(108)	(69)	(178)	(39)	(27)	(13)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	30%	37%	*	*	35%	*	34%	*	*	*	*	*	*
Mostly responsible	30%	34%	*	*	34%	*	28%	*	*	*	*	*	*
Somewhat responsible	20%	21%	*	*	23%	*	16%	*	*	*	*	*	*
Not at all responsible	13%	1%	*	*	1%	*	15%	*	*	*	*	*	*
Not sure	7%	7%	*	*	7%	*	8%	*	*	*	*	*	*
Totals	100%	100%	*	*	100%	*	101%	*	*	*	*	*	*
Unweighted N	(257)	(115)	(96)	(46)	(140)	(54)	(108)	(78)	(50)	(56)	(56)	(94)	(51)

4I. Climate Change Responsibility for Increase in Severity of Extreme Weather Events — Volcanic eruptions

How responsible, if at all, do you think climate change is for the increased severity of the following?

Asked of people who say the severity of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	18%	*	*	*	*	*	*	*	*	*	*
Mostly responsible	21%	*	*	*	*	*	*	*	*	*	*
Somewhat responsible	33%	*	*	*	*	*	*	*	*	*	*
Not at all responsible	15%	*	*	*	*	*	*	*	*	*	*
Not sure	14%	*	*	*	*	*	*	*	*	*	*
Totals	101%	*	*	*	*	*	*	*	*	*	*
Unweighted N	(135)	(55)	(80)	(13)	(33)	(56)	(33)	(92)	(19)	(18)	(6)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	18%	*	*	*	*	*	*	*	*	*	*	*	*
Mostly responsible	21%	*	*	*	*	*	*	*	*	*	*	*	*
Somewhat responsible	33%	*	*	*	*	*	*	*	*	*	*	*	*
Not at all responsible	15%	*	*	*	*	*	*	*	*	*	*	*	*
Not sure	14%	*	*	*	*	*	*	*	*	*	*	*	*
Totals	101%	*	*	*	*	*	*	*	*	*	*	*	*
Unweighted N	(135)	(55)	(56)	(24)	(63)	(30)	(56)	(45)	(22)	(26)	(30)	(48)	(31)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

4J. Climate Change Responsibility for Increase in Severity of Extreme Weather Events — Wildfires

How responsible, if at all, do you think climate change is for the increased severity of the following?

Asked of people who say the severity of each has increased in recent decades

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Entirely responsible	29%	29%	29%	*	*	25%	*	25%	*	*	*
Mostly responsible	25%	22%	27%	*	*	26%	*	25%	*	*	*
Somewhat responsible	22%	23%	22%	*	*	23%	*	23%	*	*	*
Not at all responsible	17%	19%	16%	*	*	19%	*	22%	*	*	*
Not sure	7%	8%	6%	*	*	8%	*	6%	*	*	*
Totals	100%	101%	100%	*	*	101%	*	101%	*	*	*
Unweighted N	(373)	(159)	(214)	(50)	(91)	(151)	(81)	(251)	(48)	(51)	(23)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Entirely responsible	29%	46%	25%	*	42%	*	30%	28%	*	*	*	27%	*
Mostly responsible	25%	31%	21%	*	34%	*	23%	22%	*	*	*	24%	*
Somewhat responsible	22%	18%	26%	*	19%	*	24%	17%	*	*	*	27%	*
Not at all responsible	17%	1%	18%	*	2%	*	14%	26%	*	*	*	15%	*
Not sure	7%	3%	10%	*	4%	*	9%	7%	*	*	*	7%	*
Totals	100%	99%	100%	*	101%	*	100%	100%	*	*	*	100%	*
Unweighted N	(373)	(152)	(147)	(74)	(174)	(93)	(157)	(104)	(73)	(80)	(82)	(126)	(85)

5. Extreme Weather Experience
Have you personally ever experienced any of the following? Select all that apply.

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Blizzard	42%	40%	44%	23%	33%	51%	56%	51%	27%	18%	*
Drought	39%	39%	38%	23%	30%	53%	42%	44%	16%	35%	*
Duststorm	13%	17%	8%	9%	14%	15%	11%	14%	7%	16%	*
Flood	38%	39%	37%	35%	41%	43%	30%	38%	34%	49%	*
Heat wave	71%	69%	74%	67%	62%	79%	75%	74%	63%	67%	*
Hurricane	32%	34%	30%	30%	21%	38%	36%	33%	29%	25%	*
Hailstorm	47%	48%	46%	35%	33%	54%	63%	55%	24%	31%	*
Tornado	33%	33%	32%	25%	33%	34%	37%	37%	22%	25%	*
Volcanic eruption	3%	5%	2%	1%	3%	4%	3%	4%	1%	1%	*
Wildfire	17%	20%	14%	16%	19%	18%	15%	18%	13%	16%	*
None of the above	8%	10%	5%	11%	12%	5%	4%	6%	17%	6%	*
Unweighted N	(1,000)	(457)	(543)	(154)	(240)	(396)	(210)	(671)	(134)	(145)	(50)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Blizzard	42%	35%	43%	49%	45%	51%	38%	47%	49%	50%	59%	38%	25%
Drought	39%	32%	44%	39%	42%	45%	35%	41%	47%	21%	38%	37%	56%
Duststorm	13%	11%	12%	15%	12%	16%	12%	14%	13%	7%	5%	13%	24%
Flood	38%	33%	44%	36%	37%	37%	40%	37%	37%	33%	32%	47%	32%
Heat wave	71%	71%	73%	70%	81%	73%	70%	74%	74%	69%	65%	71%	79%
Hurricane	32%	29%	31%	36%	33%	39%	27%	38%	40%	39%	15%	47%	16%
Hailstorm	47%	42%	48%	52%	47%	57%	43%	54%	52%	37%	53%	50%	43%
Tornado	33%	30%	31%	38%	30%	37%	33%	32%	39%	21%	39%	44%	17%
Volcanic eruption	3%	2%	4%	3%	3%	4%	3%	3%	5%	3%	1%	3%	7%

continued from previous page

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Wildfire	17%	16%	21%	14%	22%	17%	15%	19%	25%	15%	9%	14%	32%
None of the above	8%	8%	8%	6%	6%	6%	8%	5%	5%	7%	9%	7%	8%
Unweighted N	(1,000)	(343)	(393)	(264)	(389)	(333)	(405)	(301)	(190)	(181)	(213)	(380)	(226)

6A. Extreme Weather Preparedness — The federal government
How prepared do you think the following are for extreme weather events?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very prepared	9%	12%	7%	11%	11%	7%	9%	7%	20%	13%	*
Somewhat prepared	39%	40%	39%	37%	35%	43%	40%	38%	37%	45%	*
Not very prepared	30%	28%	31%	27%	33%	27%	33%	35%	14%	25%	*
Not at all prepared	13%	12%	14%	9%	14%	15%	12%	14%	7%	10%	*
Not sure	9%	8%	10%	16%	8%	7%	7%	6%	22%	6%	*
Totals	100%	100%	101%	100%	101%	99%	101%	100%	100%	99%	*
Unweighted N	(997)	(455)	(542)	(154)	(240)	(395)	(208)	(668)	(134)	(145)	(50)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very prepared	9%	18%	5%	6%	12%	7%	9%	8%	12%	9%	4%	14%	6%
Somewhat prepared	39%	45%	35%	39%	48%	33%	38%	41%	44%	41%	37%	38%	42%
Not very prepared	30%	25%	32%	32%	28%	34%	28%	32%	35%	28%	36%	28%	29%
Not at all prepared	13%	5%	15%	18%	5%	19%	16%	11%	7%	10%	17%	13%	12%
Not sure	9%	8%	13%	5%	6%	5%	9%	8%	3%	13%	7%	8%	10%
Totals	100%	101%	100%	100%	99%	98%	100%	100%	101%	101%	101%	101%	99%
Unweighted N	(997)	(342)	(391)	(264)	(388)	(332)	(403)	(300)	(190)	(180)	(213)	(378)	(226)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

6B. Extreme Weather Preparedness — Your state government
How prepared do you think the following are for extreme weather events?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very prepared	13%	16%	11%	13%	10%	11%	19%	12%	17%	18%	*
Somewhat prepared	43%	43%	43%	40%	38%	49%	42%	46%	31%	36%	*
Not very prepared	26%	26%	25%	24%	33%	23%	24%	28%	21%	26%	*
Not at all prepared	9%	7%	11%	8%	11%	9%	8%	8%	9%	13%	*
Not sure	9%	7%	10%	16%	7%	7%	7%	6%	22%	6%	*
Totals	100%	99%	100%	101%	99%	99%	100%	100%	100%	99%	*
Unweighted N	(993)	(456)	(537)	(154)	(239)	(393)	(207)	(666)	(133)	(145)	(49)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very prepared	13%	14%	9%	17%	11%	19%	13%	16%	14%	15%	6%	19%	8%
Somewhat prepared	43%	46%	38%	46%	48%	44%	40%	41%	59%	36%	44%	40%	54%
Not very prepared	26%	24%	30%	23%	25%	23%	27%	28%	18%	29%	34%	22%	21%
Not at all prepared	9%	8%	11%	7%	9%	9%	10%	8%	5%	8%	7%	10%	11%
Not sure	9%	7%	12%	6%	6%	4%	10%	8%	3%	13%	9%	9%	6%
Totals	100%	99%	100%	99%	99%	99%	100%	101%	99%	101%	100%	100%	100%
Unweighted N	(993)	(342)	(389)	(262)	(386)	(331)	(402)	(299)	(190)	(180)	(213)	(377)	(223)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

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6C. Extreme Weather Preparedness — You personally
How prepared do you think the following are for extreme weather events?

	Total	Gender		Age (4 category)				Race (4 category)			
		Male	Female	18-29	30-44	45-64	65+	White	Black	Hispanic	Other
Very prepared	12%	14%	11%	9%	12%	14%	12%	12%	13%	12%	*
Somewhat prepared	48%	49%	48%	39%	37%	55%	60%	53%	44%	39%	*
Not very prepared	27%	25%	29%	33%	33%	24%	20%	25%	25%	38%	*
Not at all prepared	8%	7%	9%	11%	12%	4%	5%	7%	9%	8%	*
Not sure	4%	5%	4%	7%	6%	2%	3%	3%	10%	3%	*
Totals	99%	100%	101%	99%	100%	99%	100%	100%	101%	100%	*
Unweighted N	(998)	(456)	(542)	(154)	(240)	(395)	(209)	(669)	(134)	(145)	(50)

	Total	Party ID			2020 Vote		Family Income (3 category)			Region			
		Dem	Ind	Rep	Biden	Trump	< $50K	$50-100K	$100K+	Northeast	Midwest	South	West
Very prepared	12%	11%	10%	17%	11%	16%	11%	11%	20%	9%	12%	15%	11%
Somewhat prepared	48%	49%	43%	56%	51%	56%	44%	55%	54%	49%	49%	49%	46%
Not very prepared	27%	30%	30%	20%	30%	19%	28%	25%	24%	21%	30%	27%	30%
Not at all prepared	8%	8%	9%	6%	5%	6%	12%	6%	1%	13%	4%	6%	10%
Not sure	4%	3%	8%	2%	2%	2%	5%	3%	1%	8%	5%	3%	3%
Totals	99%	101%	100%	101%	99%	99%	100%	100%	100%	100%	100%	100%	100%
Unweighted N	(998)	(342)	(392)	(264)	(388)	(333)	(403)	(301)	(190)	(180)	(213)	(379)	(226)

YouGov Survey: Extreme Weather and Climate Change
July 10 - 13, 2023 - 1000 U.S. adult citizens

YouGov

Interviewing Dates	July 10 - 13, 2023
Target population	U.S. citizens, aged 18 and over.
Sampling method	Respondents were selected from YouGov's opt-in Internet panel using sample matching. A random sample (stratified by gender, age, race, education, geographic region, and voter registration) was selected from the 2019 American Community Survey.
Weighting	The sample was weighted according to gender, age, race, education, 2020 election turnout and Presidential vote, baseline party identification, and current voter registration status. Demographic weighting targets come from the 2019 American Community Survey. Baseline party identification is the respondent's most recent answer given prior to March 15, 2022, and is weighted to the estimated distribution at that time (33% Democratic, 28% Republican). The weights range from 0.132 to 6.503, with a mean of 1 and a standard deviation of 0.666.
Number of respondents	1000
Margin of error	± 3.7% (adjusted for weighting)
Survey mode	Web-based interviews
Questions not reported	62 questions not reported.