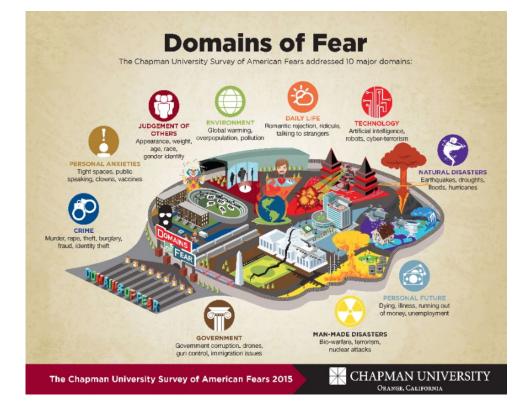


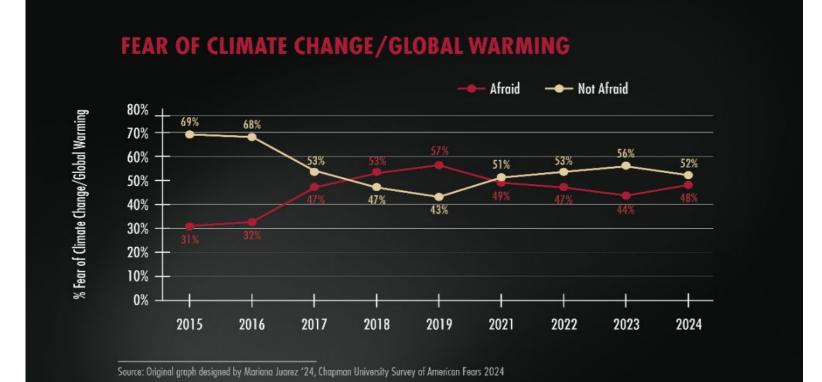
2014.

Additionally, I draw upon two online surveys of California residents (n=660 and n=1,095), that asked about experience with wildfires, mitigation, and familiarity with Ready, Set, Go!



Climate Change Fears

The American public is narrowly divided on climate fears. Nearly half of respondents (48 percent) said they were afraid or very afraid of the effects of climate change this year. Climate fear has also been consistent in recent years, deviating very little since 2021, when 49 percent of Americans responded they were afraid or very afraid. The current stability of these sentiments comes after a trend in which fear of climate change increased sharply over several years. The ten-year time series of public opinion data collected by the Chapman Survey of American Fears shows that climate change emerged as one of the most feared public problems, breaking into the top ten and then becoming established as one of the most salient fears.



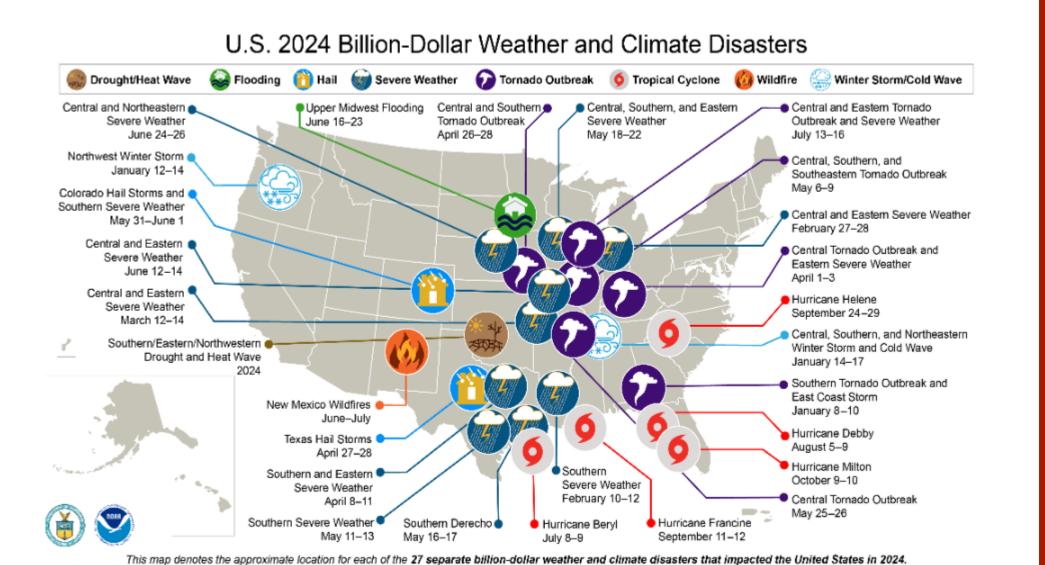
Disasters Fueled by Climate Change

Climate change drives extreme weather and disasters, including floods, hurricanes, heat waves, droughts, and wildfires. The scientific consensus is clear and the cost in lives and dollars is growing. Not only are disasters more frequent, but an increasing number of people are impacted, as populations grow in coastal areas and the wildland-urban interface (WUI).

Results above reflect those who live in a wildfire prone area and do no

rlude those who answered "not applicable

Although scientists have long recognized the link between climate change and disasters, attributing the impact of climate to individual disasters was harder to demonstrate. However, attribution science has made many advances. Scientists are increasingly able to quantify the role climate played in disasters, making clear the dangers of a warming planet.



Media Coverage of **Disasters and Climate** Change

Although scientists recognize the link between climate change and disasters, the link is less clear to the public. This is due to a concerted effort by oil companies and fossil fuel related business interests who have spent decades engaging in aggressive lobbying and public disinformation campaigns. They are aided in this goal by conservative media outlets that amplify climate change denial and give deniers a platform

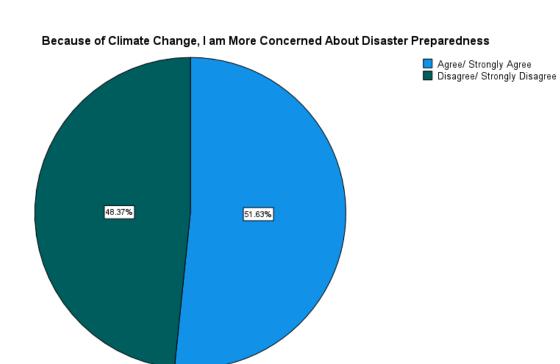
In 2023, hundreds of wildfires raging across Canada led the United States to experience its worst ever air pollution due to wildfire smoke. Millions of Americans could see and smell the smoke, and emergency room visits due to asthma and other serious conditions skyrocketed. Yet, on conservative cable news shows, the historic pollution was deemed, "not a health risk." Nor could the massive wildfires and resulting smoke be attributed to climate change, as Fox viewers were told, "This has got nothing to do with climate. This is wildfire smoke. This is natural. This is not because of climate change. This is not because of fossil fuels." On Newsmax, the pollution was described as having, "...a beautiful, interesting aura."

> RollingStone = Q MUSIC POLITICS TV & MOVIES CULTURE RS RECO **RIGHT-WING MEDIA IS SAYING THE** WILDFIRE SMOKE IS GOOD, ACTUALLY ins the hazardous air quality has nothing to do with climat

> > officer wears an N95 mask in Times Souare amid a smoky haze from wildfires in Canada on J

Climate Change Fears and Preparedness

Just over half of all Americans (51.6%) are more concerned with disaster preparedness because of climate change. The need for preparedness and mitigation has become more urgent, with the United States experiencing a growing number of deadly, billion-dollar disasters from the changing climate.



Source: Chapman Survey of American Fears, 2023

Predictors of Climate Fears

Table 1 Fear of Climate Change and Climate Driven Disaste

Summary of OLS Regression Analyses for Variables Predicting Fear of Climate Change and Climate Change Causing more Frequent and Severe Disasters

Variable	Model 1			Model 2			
	В	SE B	β	В	SE B	β	
Party	.177	.016	.350***	.271	.031	.284***	
Fox News	.028	.016	.056	.171	.031	.180***	
CNN	088	.023	150***	153	.044	139***	
MSNBC	030	.023	049	081	.044	081*	
Impacted	143	.029	139**	266	.054	137***	
Education	018	.014	037	.029	.026	.032	
Age	115	.024	137***	128	.045	081*	
Gender	129	.049	073**	183	.093	055*	
Constant	1.449	.178		3.188	.171		
2		.270			.265		
djusted R ²	.264			.259			

*p < .05. **p < .01. *** < .001

Model 1 Climate Fears

Two-item index (Cronbach's α =.848)

• How afraid are you of the following: Global warming and climate change? • How afraid are you of the following events: Climate change impacting where I live? Model 2 Climate Driven Disaster Fears

4-item index (Cronbach's α =.96)

Please indicate your level of agreement with the following statements: Climate change is causing more frequent and severe wildfires/droughts/hurricanes/ floods

Interpretation

In model 1, partisanship exerts the strongest influence on the dependent variable, with Republicans being less fearful. This is followed by CNN viewers who are more fearful. Experiencing a disaster is third in terms of the size of the standardized coefficient, with and it increases fears. Finally, women and younger respondents are more fearful.

In model 2, we see partisanship has an outsized influence, followed by Fox News, with Republicans and Fox news viewers disagreeing that climate change is causing for frequent and severe disasters. Next, we see CNN followed closely personal experience leading to stronger belief in the connection between climate change and disasters or extreme weather. Age, gender and MSNBC viewing also had a small, but statistically significant impact on the dependent variable.

Both models show the central role that partisanship and media usage habits play in climate change beliefs, even when controlling personal experience with disasters and demographic factors. Partisanship overshadowed the other independent variables in both models, pointing to the power of the climate change denial campaign to make people question what they've seen with their own eyes.

Acknowledgements

Wildfire preparedness and mitigation graphics were created by Eric Chimenti and the Ideation Lab, Chapman University.

ibliograph

Bort, Ryan. 2023. "Right-Wing Media Is Saying the Wildfire Smoke Is Good, Actually." Rolling Stone. June 8, 2023. https://www.rollingstone.com/politics/politics-news/fox-news-dismisses-wildfire-smoke-harmlessclimate-change-1234766334/.

Clarke, Ben, Friederike Otto, Rupert Stuart-Smith, and Luke Harrington. "Extreme weather impacts of climate change: an attribution perspective." Environmental Research: Climate 1, no. 1 (2022): 012001 Dunlap, Riley E., and Robert J. Brulle. "Sources and amplifiers of climate change denial." *Research handbook* on communicating climate change (2020): 49-61.

Kumar, Abhishek, Shilpi Nagar, and Shalini Anand. "Climate change and existential threats." In Global climate change, pp. 1-31. Elsevier, 2021.

MacLaughlin, Steve. "Don't Say Climate Change!" X (Formerly Twitter), MacLaughlin, Steve. "X.Com." X (Formerly Twitter), x.com/SteveMacNBC6/status/1791992358780711264. May 18, 2024. Accessed 3 Nov.

Mockrin, Miranda H.; McGuinness, Barbara; Helmers, David P.; Radeloff, Volker C. 2023. Understanding the wildland-urban interface (1990-2020). Madison, WI: U.S. Department of Agriculture, Forest Service, Northern Research Station. https://storymaps.arcgis.com/stories/6b2050a0ded0498c863ce30d73460c9e