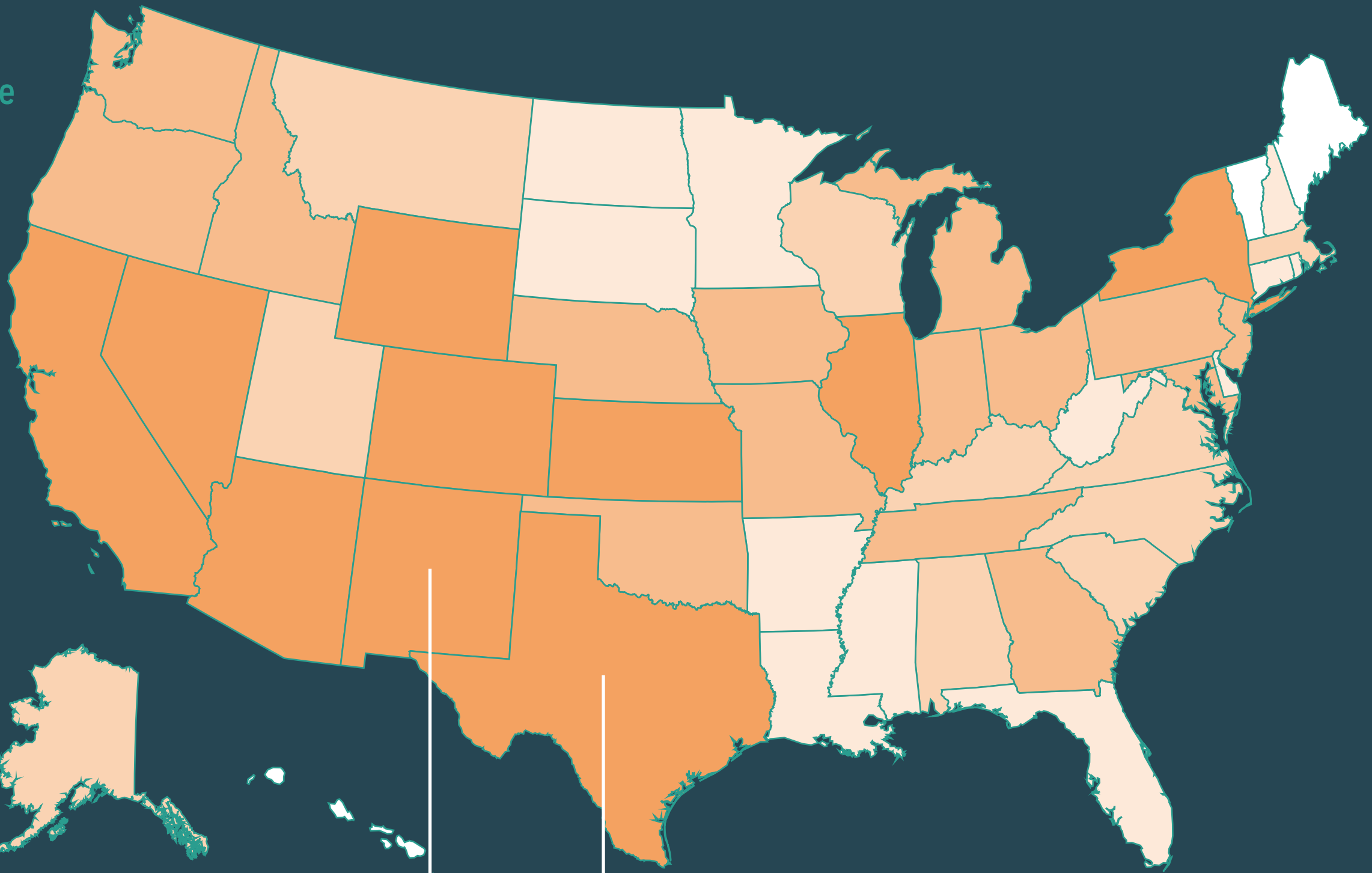
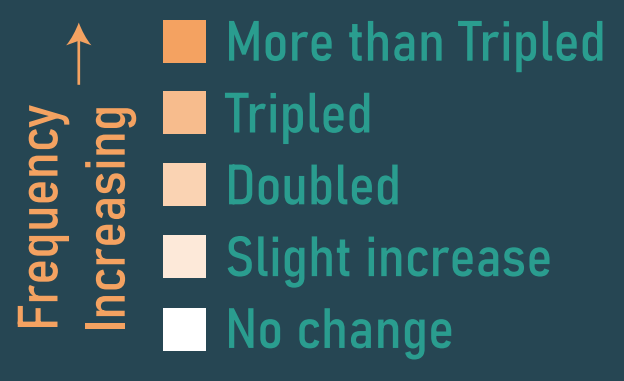


**Change in Frequency of climate disasters by state between 1980s and 2010s**

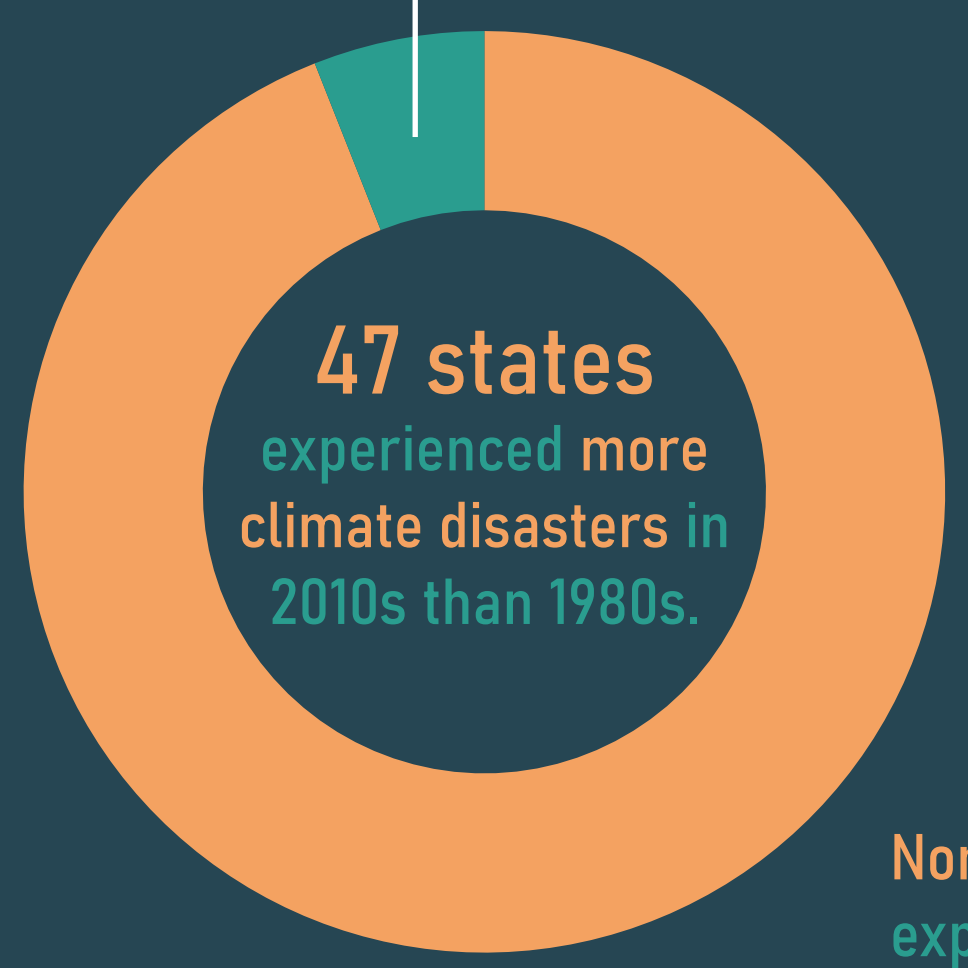


On average, states have tripled their climate disasters between 1980s and 2010s.

New Mexico has the highest percent increase. It has no climate disasters in 1980s, and 12 climate disasters in 2010s.

Texas has the highest raw increase. It has 13 climate disasters in 1980s, and 56 climate disasters in 2010s.

Hawaii, Maine, and Vermont experienced no changes in frequency of climate disasters.

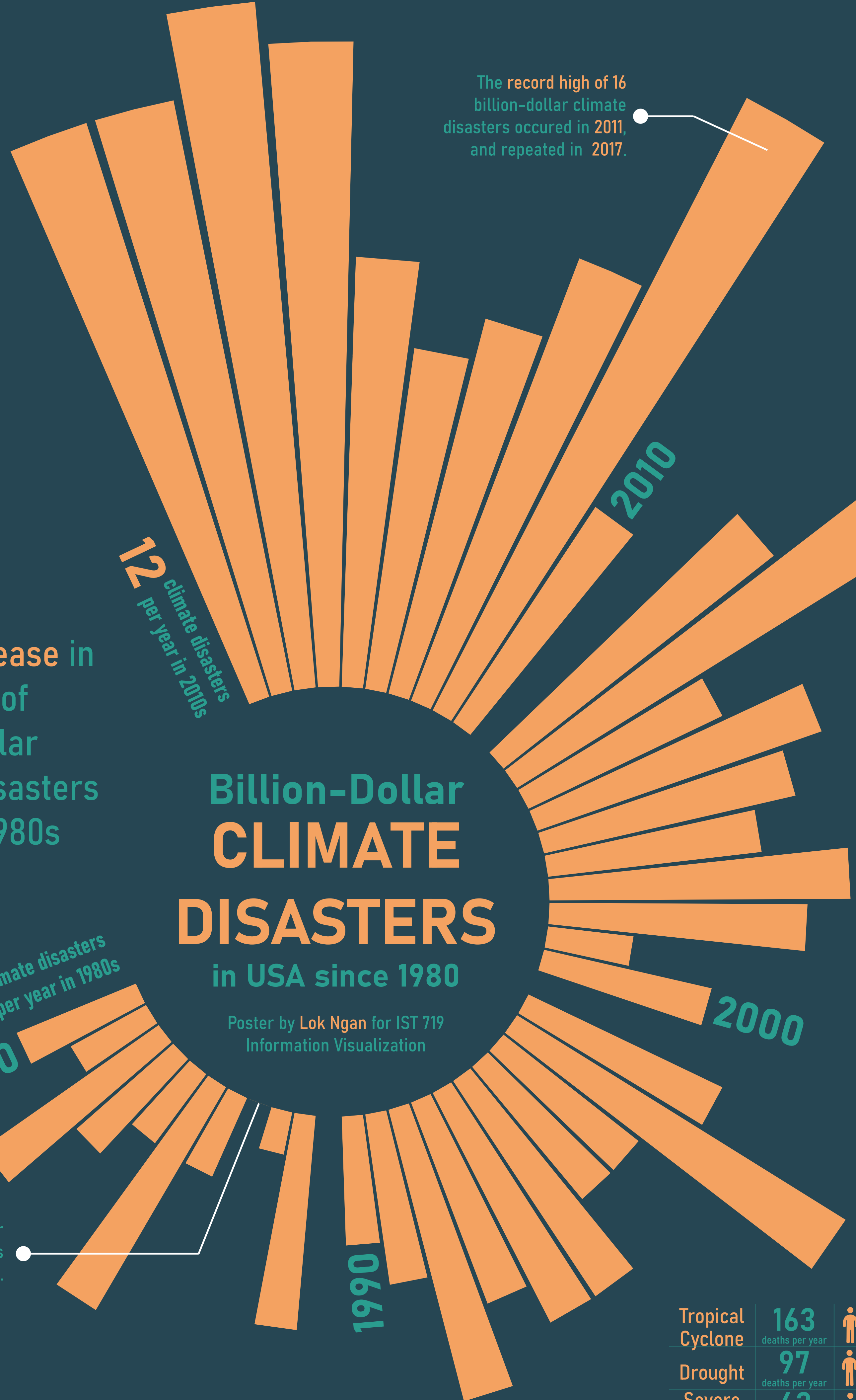


None of the 50 states experienced a decrease in frequency of climate disasters.

400% increase in frequency of billion-dollar climate disasters between 1980s and 2010s.

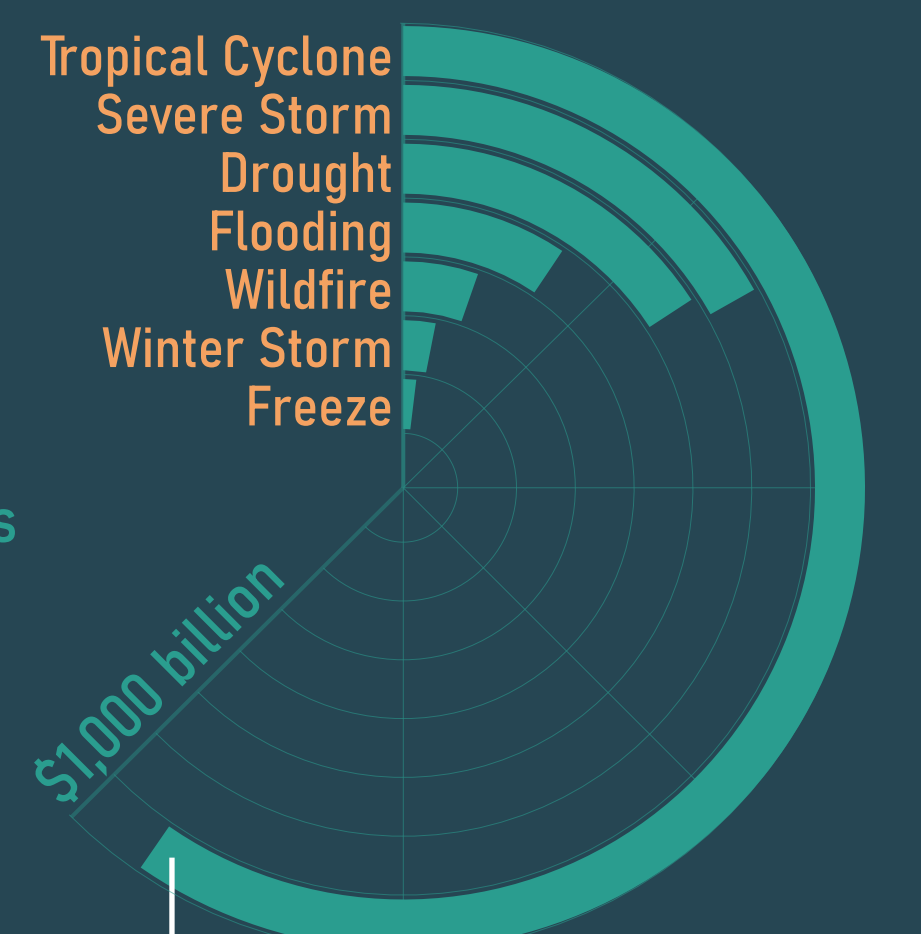
**Billion-Dollar CLIMATE DISASTERS in USA since 1980**

Poster by Lok Ngan for IST 719 Information Visualization



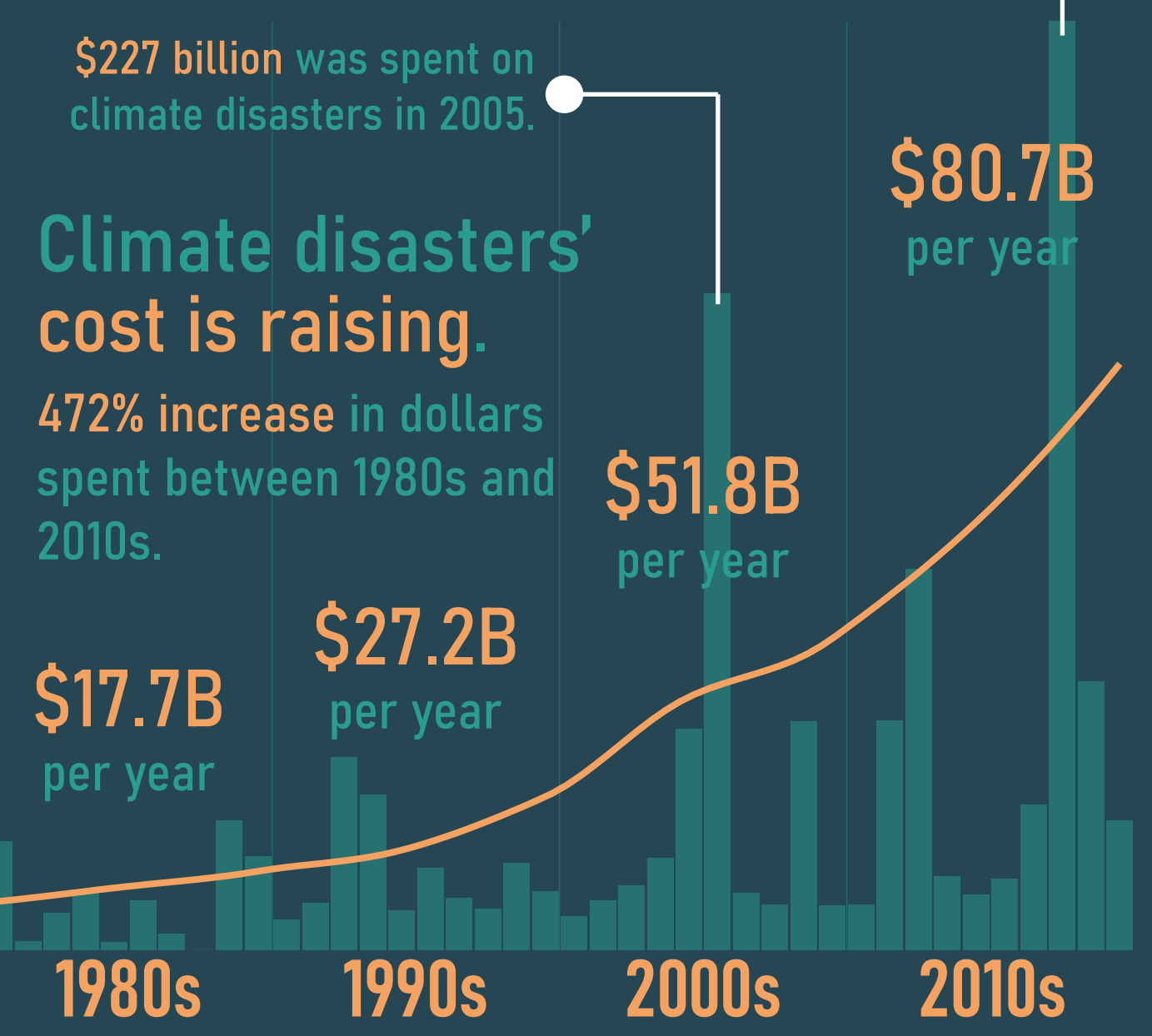
The record high of 16 billion-dollar climate disasters occurred in 2011, and repeated in 2017.

**\$1,792 billion** was spent on climate disasters since 1980.



\$954 billion was spent on tropical cyclones since 1980.

\$322 billion was spent on climate disasters in 2017.



Climate disasters' cost is raising. 472% increase in dollars spent between 1980s and 2010s.

Climate disasters are natural disasters caused by weather. The damage they left behind are often devastating. However, what is the price of these disasters? This analysis explores different aspects of climate disasters costed over \$1 billion to provide points of discussion between scientists and politicians.

Tropical Cyclone	163 deaths per year	
Drought	97 deaths per year	
Severe Storm	42 deaths per year	
Winter Storm	26 deaths per year	
Flooding	15 deaths per year	
Wildfire	9 deaths per year	
Freeze	4 deaths per year	

**Climate disasters are deadly.** They are responsible for over 350 deaths per year since 1980.

= 10 Deaths Per Year

Source: NOAA's National Centers for Environmental Information - Billion-Dollar Weather and Climate Disasters (<https://www.ncdc.noaa.gov/billions/>) Dataset consisted of text files for each state and the United States. Data files were combined and processed into a dataframe with 14,844 rows and 7 columns.