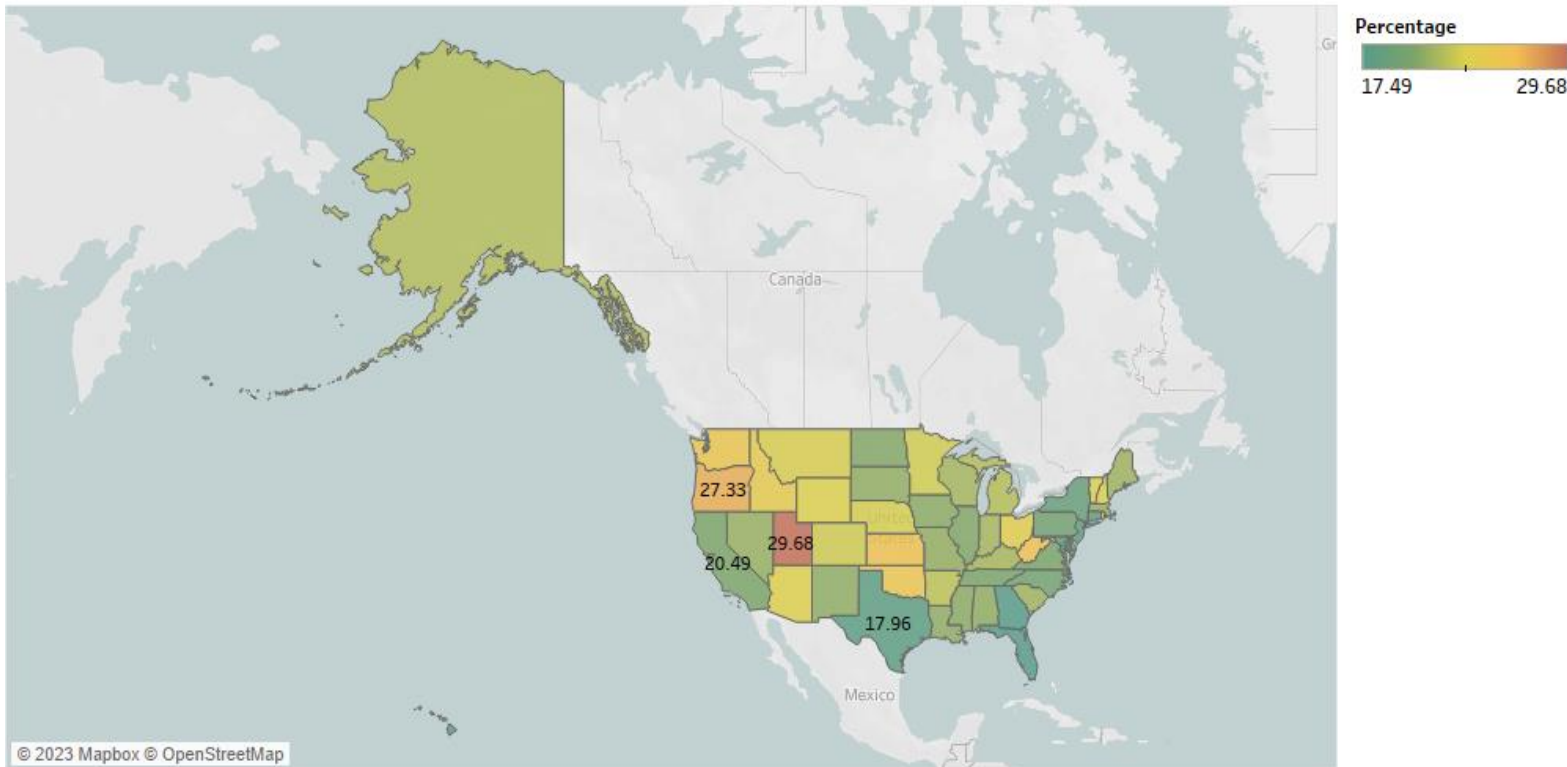


Visualizations

State wise AMI percentage (2)



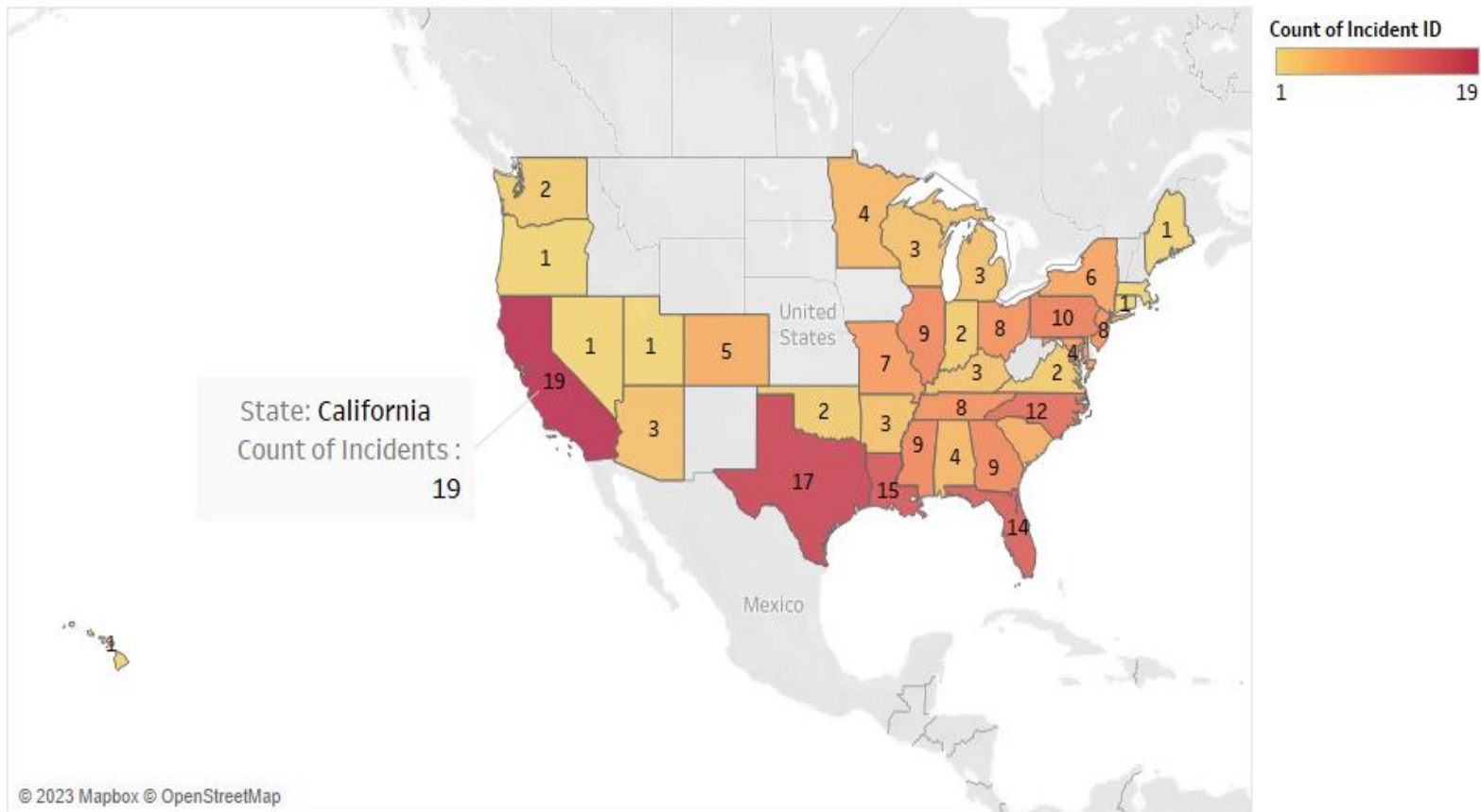
Map based on Longitude (generated) and Latitude (generated). Color shows sum of Percentage. Details are shown for State.

Predictions:

Note: Adult Prevalence of Any Mental Illness (AMI)

As in the above map you can see that utah with 29.68% have the highest percentage of Adult with Mental Health Prevalence while in Texas (17.96%) and Florida (17.49%)

States with Highest number of Mass Shootings

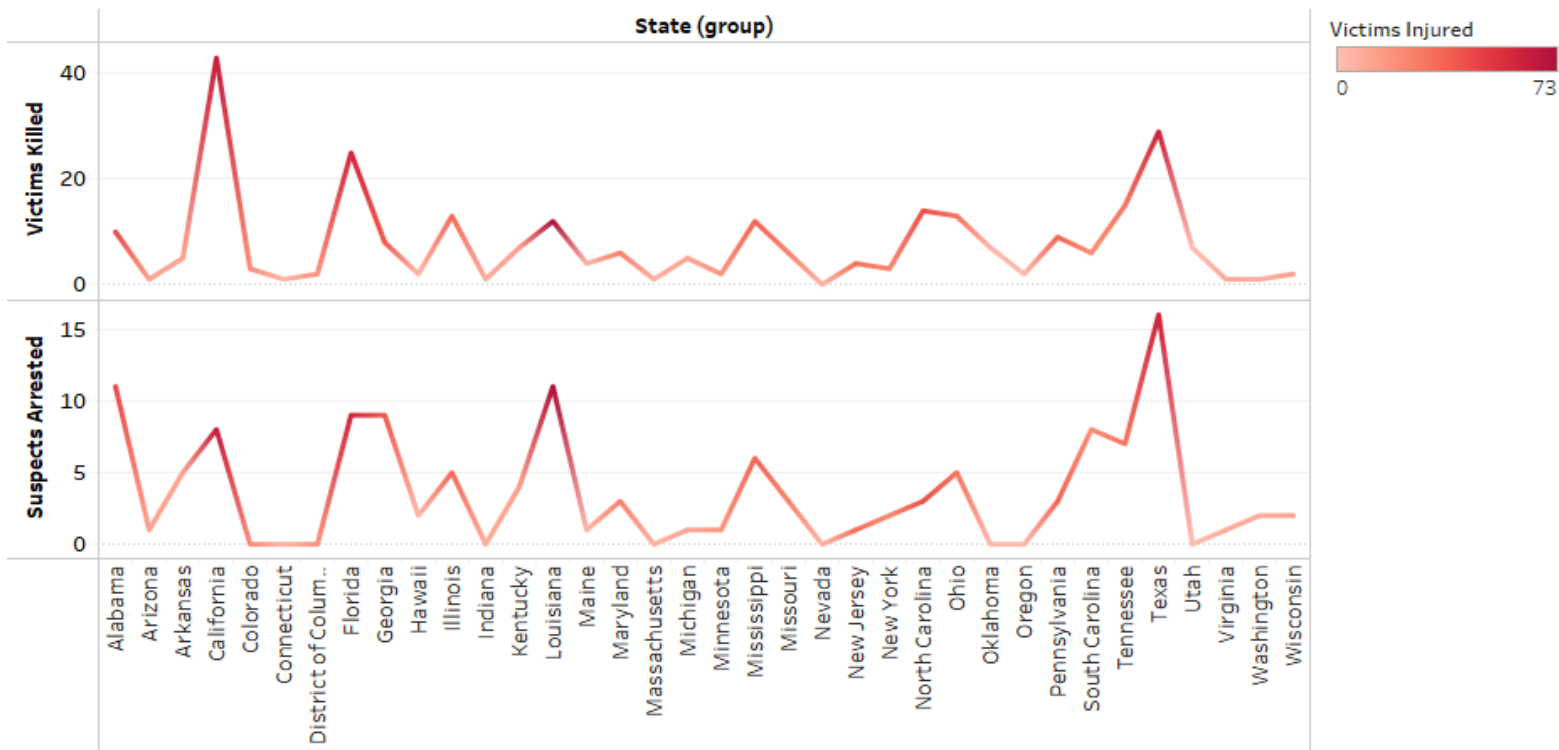


Map based on Longitude (generated) and Latitude (generated). Color shows count of Incident ID. Details are shown for State.

Conclusion:

As from the above Geographical Map plot we can see that California has the highest number (19) of Mass shootings in 2023 and Texas is on the second number with 17 incidents occurred in 2023. As California also has the high population.

Suspects arrested and Victims Killed by State (2)

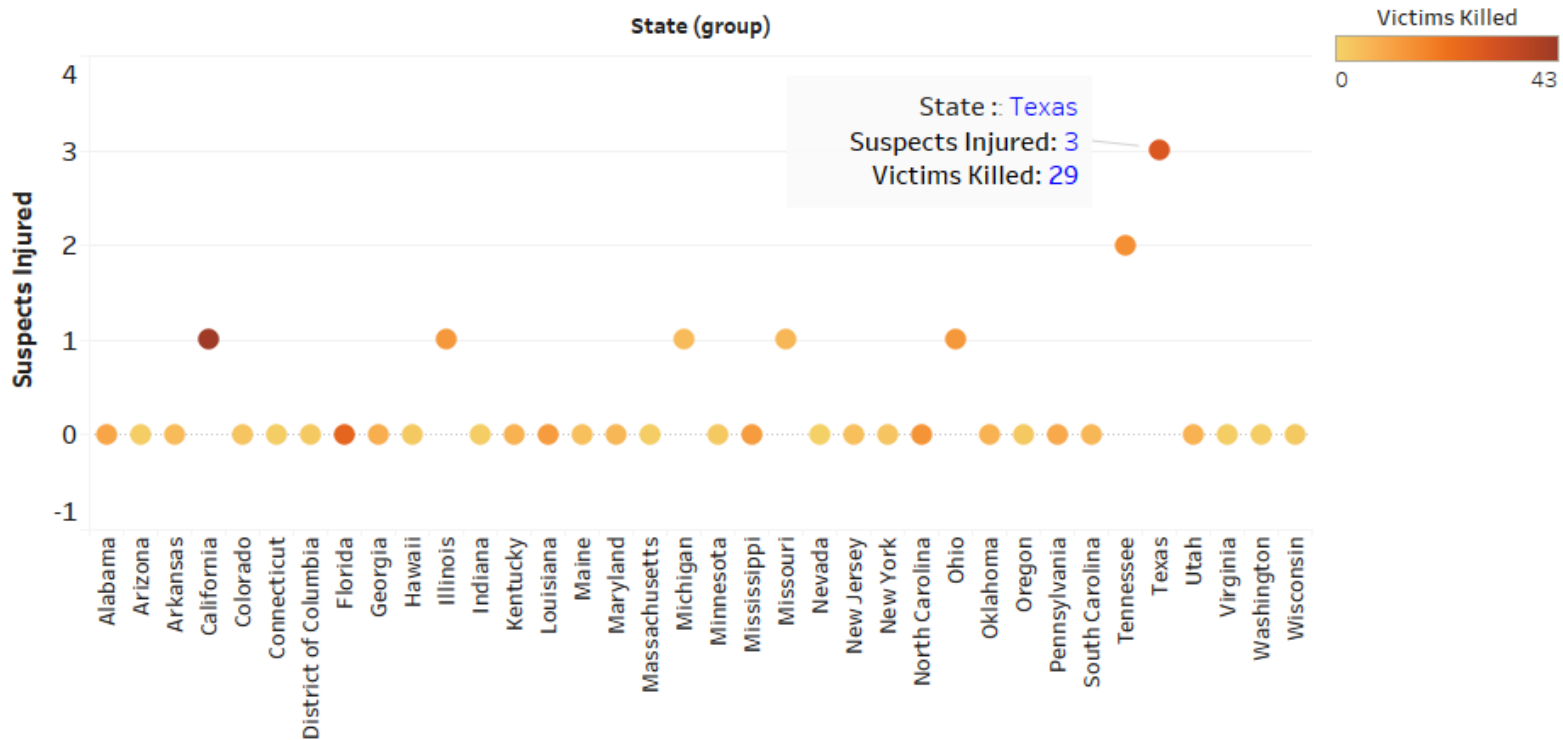


The trends of sum of Victims Killed and sum of Suspects Arrested for State (group). Color shows sum of Victims Injured.

Conclusion:

As you can see from the above plot In california victims killed are more than suspect arrested whereas in Texas suspects are more arrested than victim got killed.

Suspects Injured vs Victims killed By state

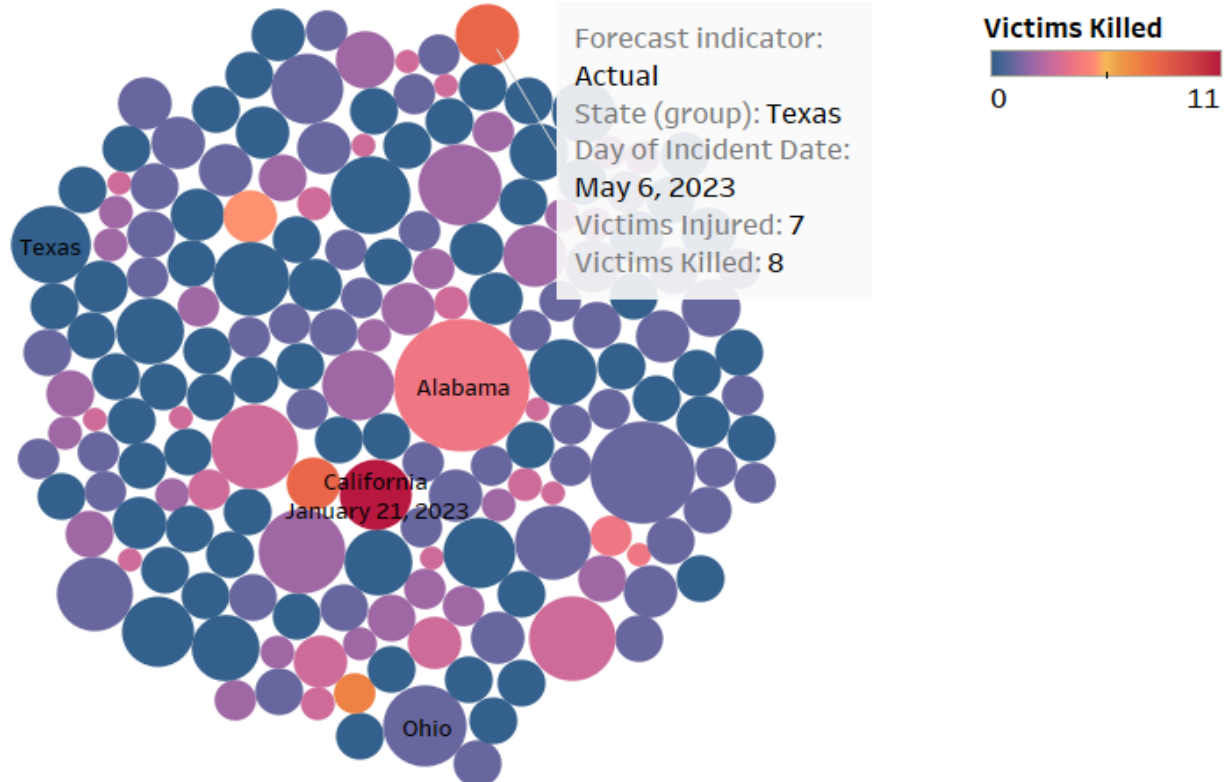


Sum of Suspects Injured for each State (group). Color shows sum of Victims Killed.

Conclusion:

As from the above plot we can see that suspects get injured in Texas more than any other states whereas in California victims got killed more than any other states and suspect injured are zero.

Date and state wise Victims killed and Injured



State (group) and Incident Date Day. Color shows sum of Victims Killed (actual & forecast) . Size shows sum of Victims Injured (actual & forecast) . The marks are labeled by State (group) and Incident Date Day. Details are shown for Forecast indicator.

Conclusion:

From the above packed Bubble plot, we can see the recent shooting That occurred on May 6, 2023, in Texas where 8 people got killed and 7 got injured and Alabama have the highest number of injured people whereas California has most numbers of people got killed.

Final conclusions:

1. Mental Health Prevalence in Utah is high whereas no of Incidents in Utah is only 1. Whereas In Texas mental health prevalence is low 17.96% but no of Mass shooting incidents are high which is 17 in 2023.
2. So based on these Visualizations Mass shootings and Mental Health Illness are not dependent.