

MASS SHOOTINGS IN THE UNITED STATES (2024)

Data from January 1st to November 2nd

BACKGROUND INFORMATION:

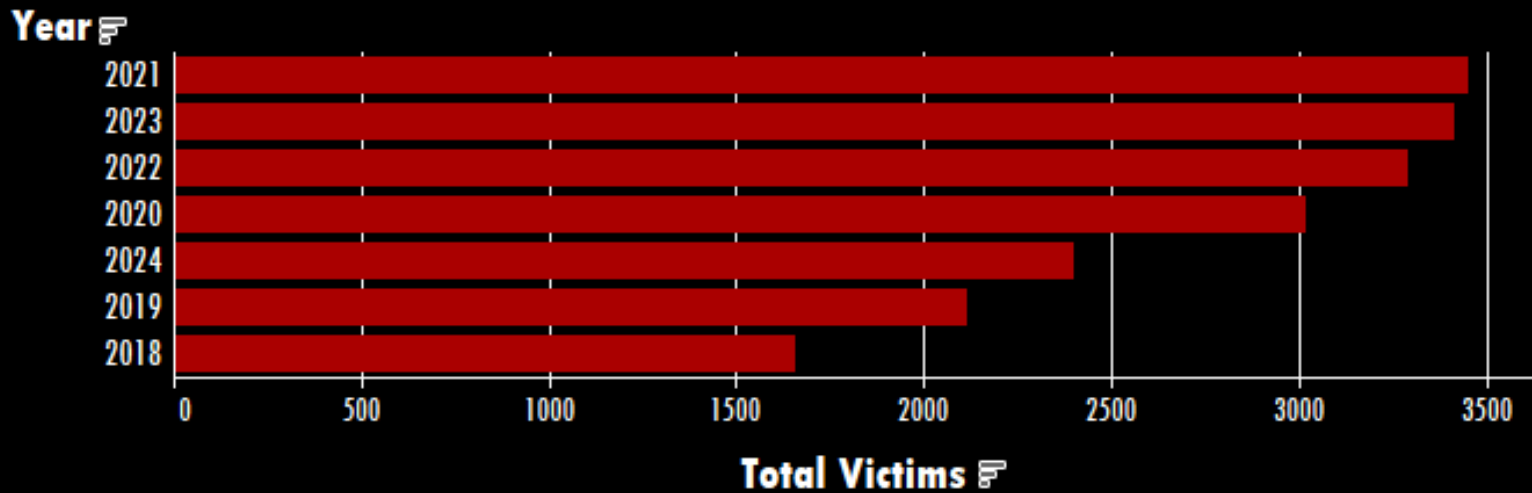
- The data was acquired from Kaggle.com
<https://www.kaggle.com/datasets/whisperingkahuna/gunviolence1>
- The data from Kaggle originated from gunviolencearchive.org (this is where the 2018-2023 datasets were acquired from).
- gunviolencearchive.org defines a mass shooting as an act of violence where at least 3 people are either injured or killed by a gun.
- It is important to remember that mass shootings in America only make up a small percentage of gun related tragedies.

QUESTIONS TO LOOK AT:

1. How many victims have been impacted by mass shootings this year?
2. Which states and cities/counties have the most mass shootings?
3. Which month has had the greatest number of shootings so far?
4. Looking at previous years, are we improving?

1.) HOW MANY VICTIMS HAVE BEEN
IMPACTED BY GUN VIOLENCE?

How Many Victims?

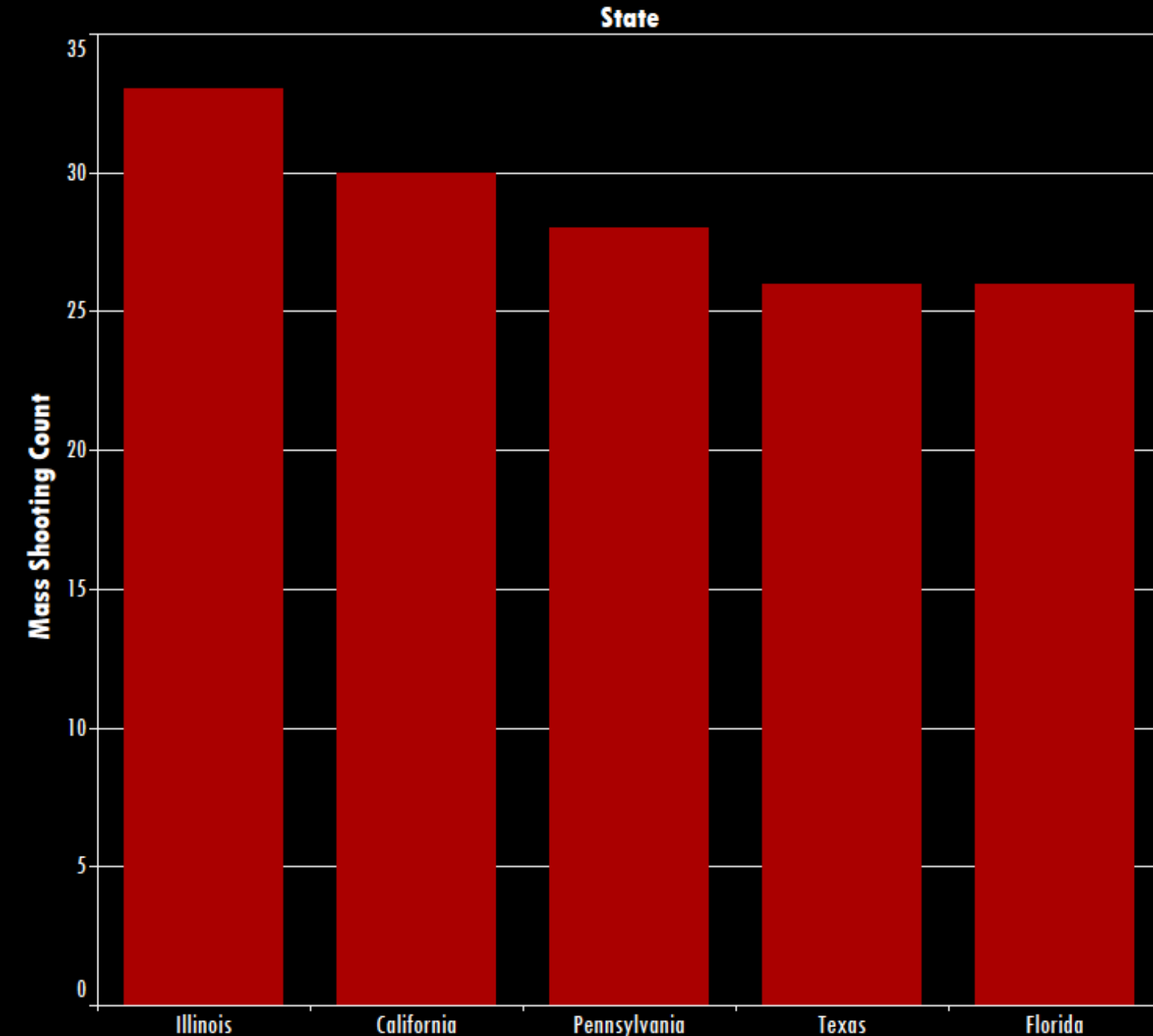


TOTAL VICTIMS

- As of 11/2/2024, there have been 2,398 victims of mass shooting gun violence. Of those, 439 were killed and 1,959 were injured.
- It is important to note that the year is not over yet for 2024, but it is currently ranked as the year with the 3rd lowest number of mass shooting victims.
- We will investigate later on if it is looking to stay that way.

2.) WHICH STATES AND
CITIES/COUNTIES HAVE THE MOST
MASS SHOOTINGS?

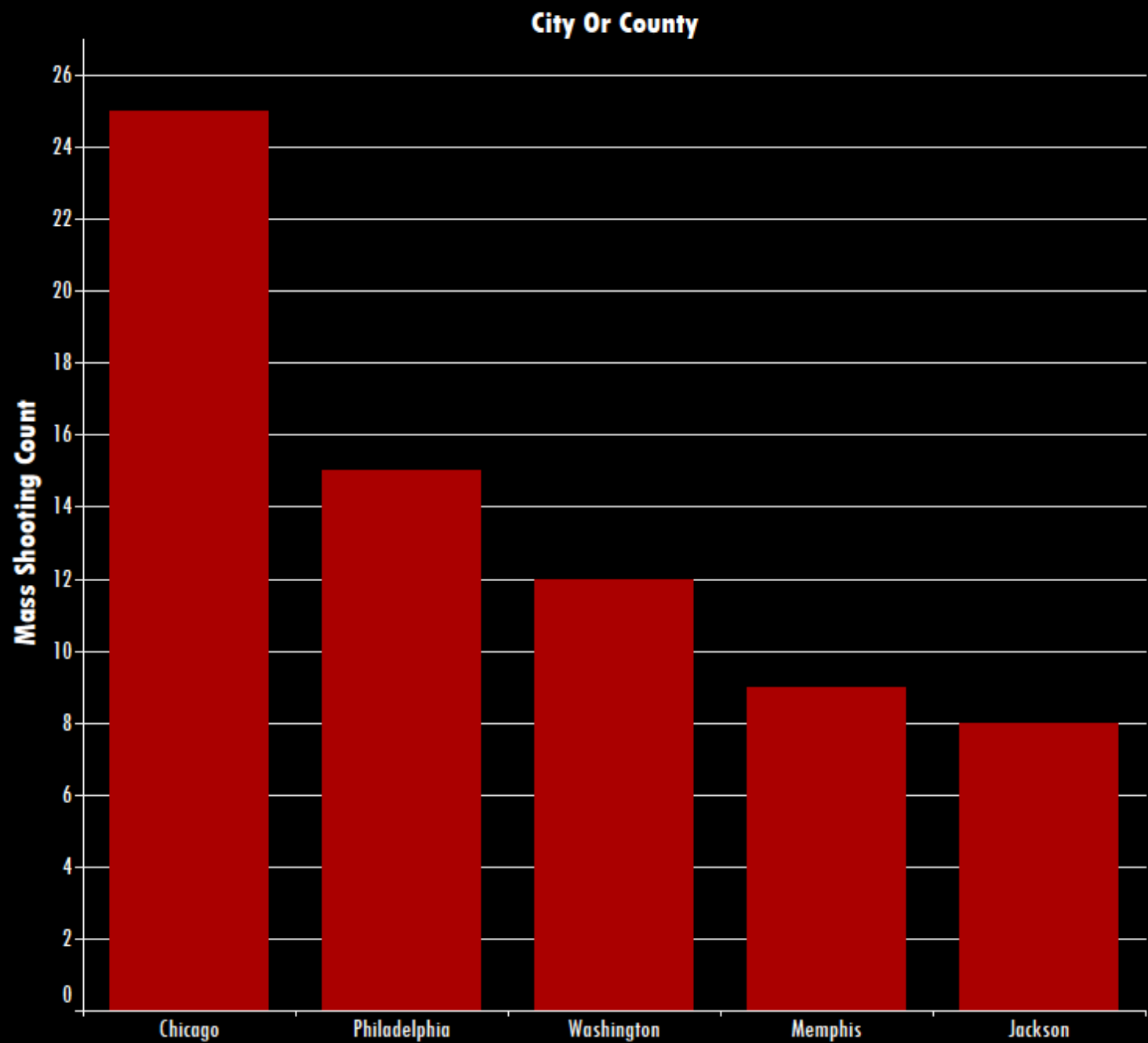
Top 5 States in 2024



TOP 5 STATES WITH THE GREATEST AMOUNT:

- Illinois ranks as the state with the highest number of mass shootings with 33 (7.5% of total).
- California has the second most with 30 (6.8% of total).
- Pennsylvania is 3rd with 28 (6.4% of total).
- Texas and Florida are both tied at 26 (5.9% of total).

Top 5 Cities/Counties in 2024

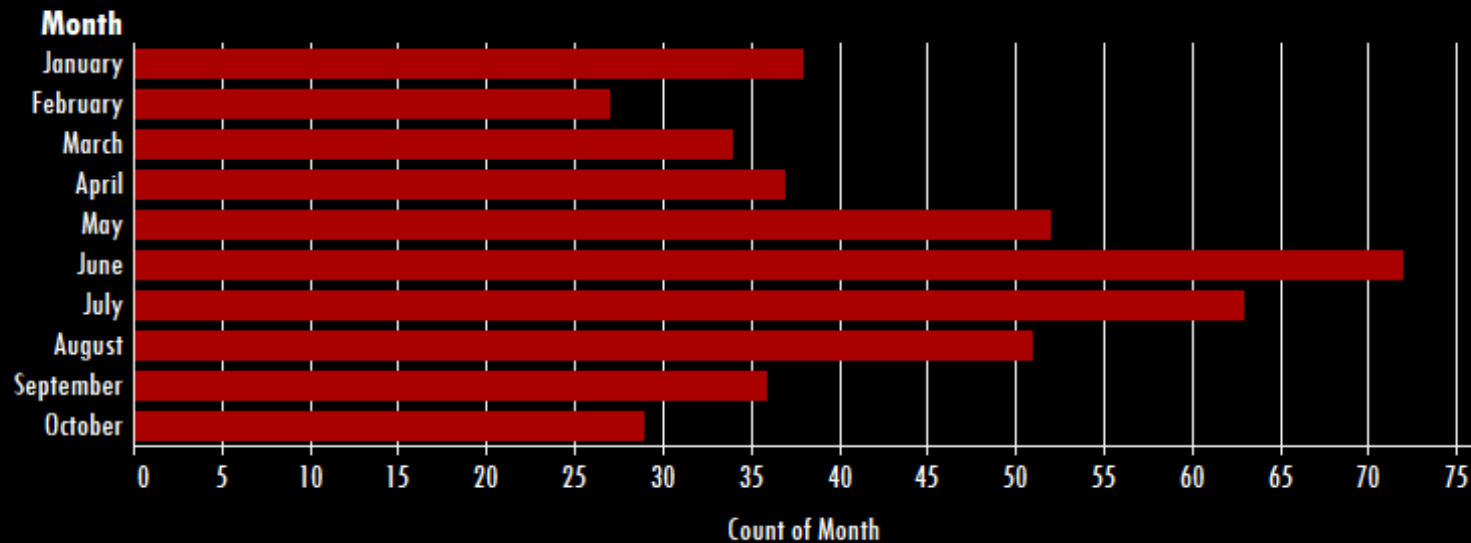


TOP 5 CITIES/COUNTIES WITH THE GREATEST AMOUNT:

- Chicago ranks as the city with the highest number of mass shootings with 25 (5.7% of total, and makes up 78% of Illinois' numbers).
- Philadelphia has the second most with 15 (3.4% of total, and makes up 53.6% of Pennsylvania's numbers).
- Washington is 3rd with 12 (2.7% of total).
- Memphis is 4th with 9 (2% of total).
- Jackson is 5th with 8 (1.8% of total).

3.) WHICH MONTH HAS HAD THE
GREATEST NUMBER OF MASS
SHOOTINGS SO FAR?

Mass Shooting Counts by Month: 2024

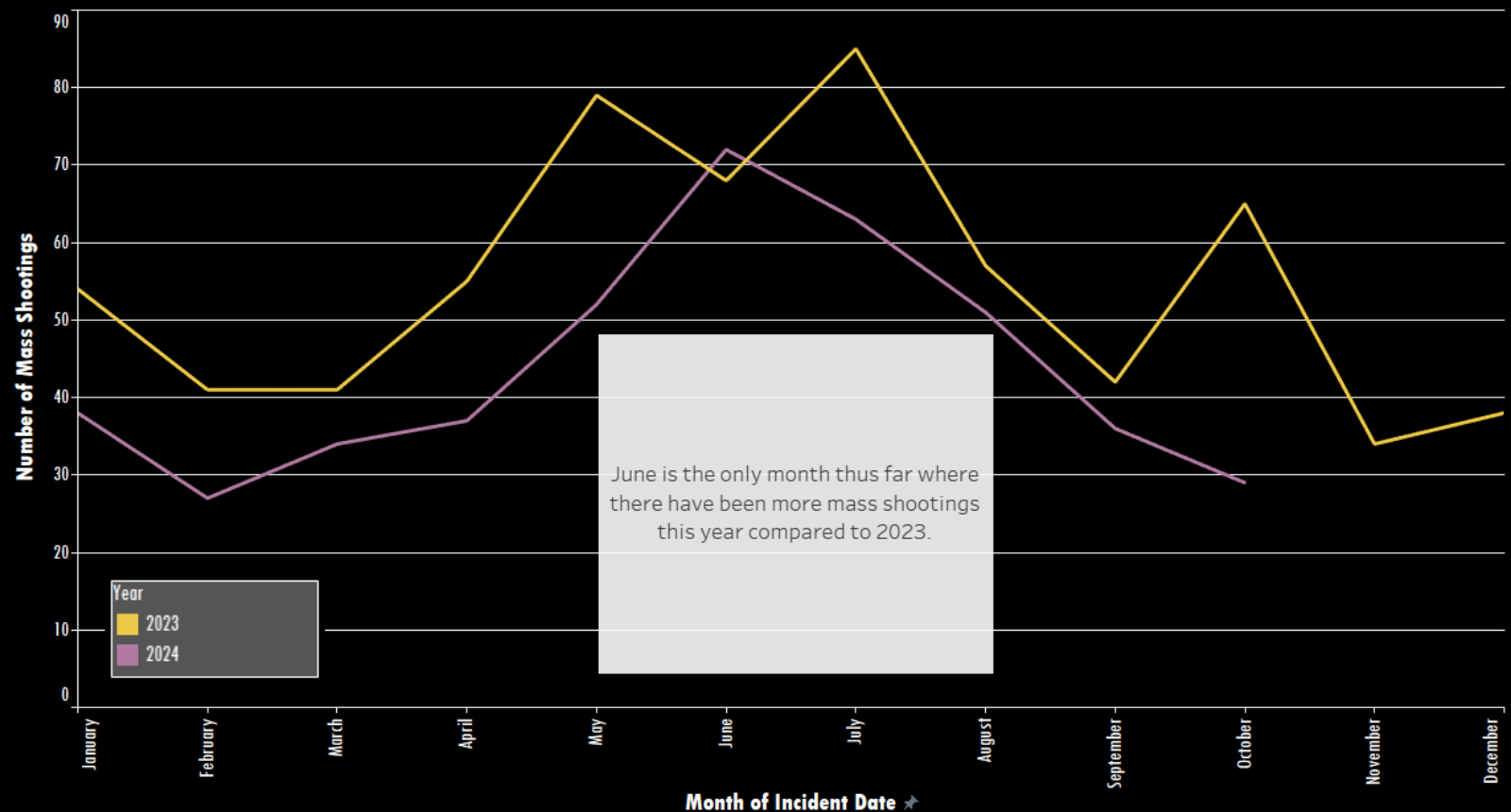


MONTHS OF 2024

- June has the most so far with 72.
- The second highest is July with 63.
- The lowest is February with 27.
- Note: it is a typical phenomenon every year that the warmer months of the year tend to have higher numbers of mass shootings compared to the months of fall and winter.

4.) ARE WE IMPROVING?

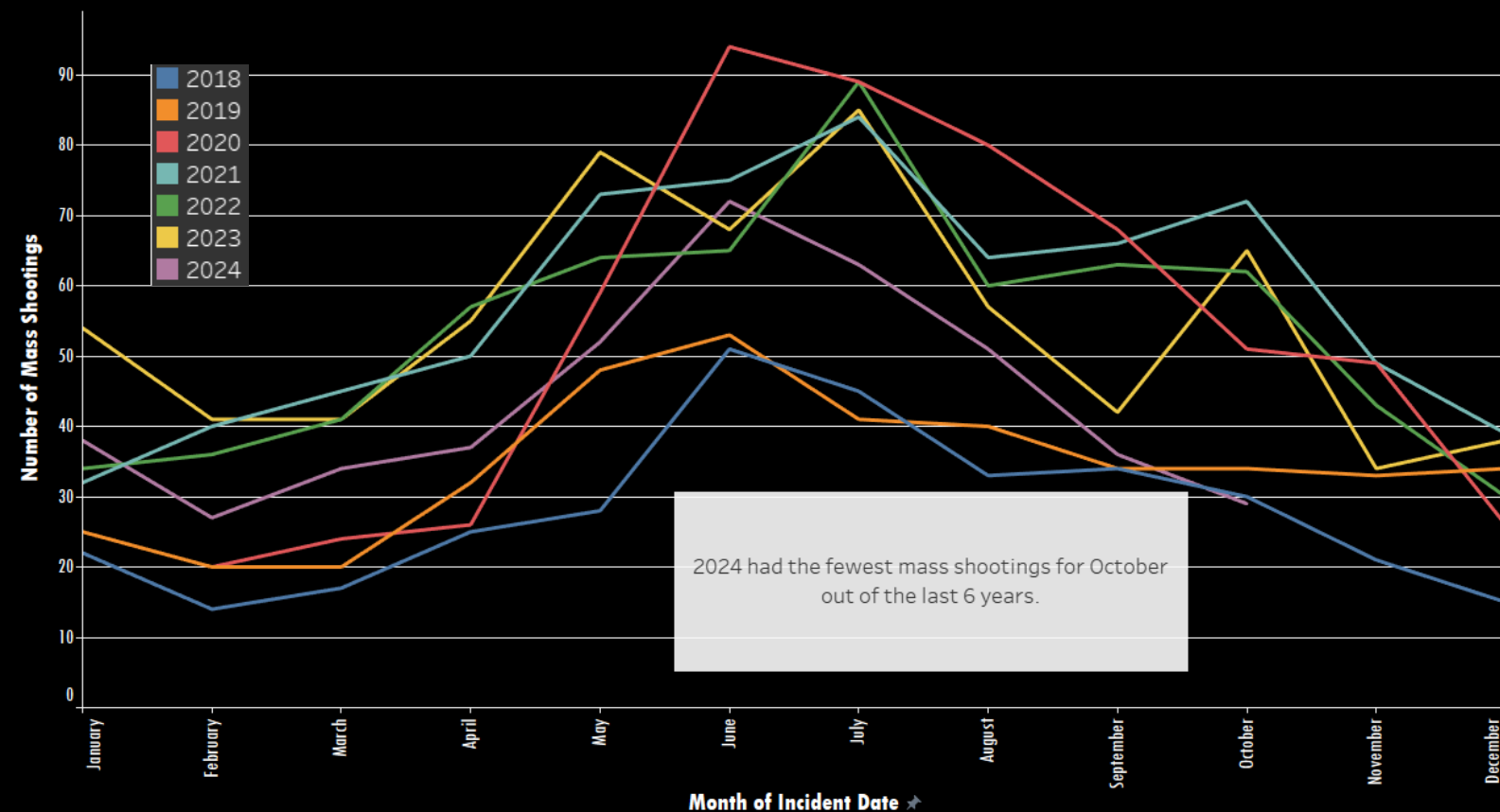
Mass Shooting Counts



COMPARING 2024 TO 2023

- 2024 has been a huge improvement to 2023 thus far.
- The only month where 2024 had more mass shootings than 2023 was in June, where 2024 had 72 and 2023 had 68 (a 5.9% increase this year).
- For the months January-October, 2024 has on average 14.8 less mass shootings per month than in 2023.

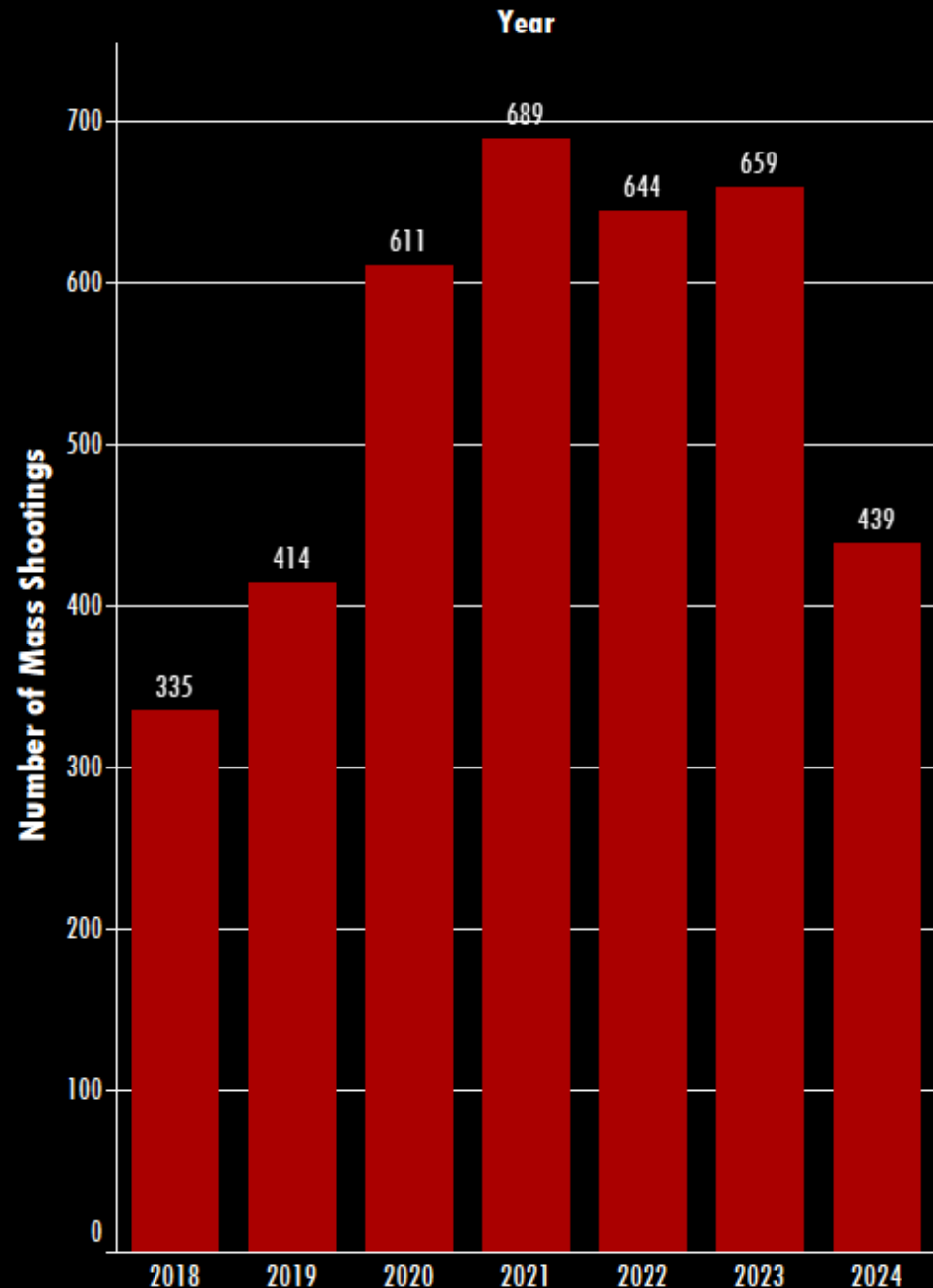
Mass Shooting Counts 2018-2024



COMPARING 2018-2024

- This October has had the least amount of mass shootings out of the last 6 years. 2024 had 29, 2018 had 30, and 2019 had 34.
- We can see that there is a general trend for every year where November and December never have more mass shootings than October (the year that came the closest was 2019, where October and December both had 34).

Mass Shooting Totals 2018-2024



COMPARING 2018-2024

- 2024 currently has the third least with 439, right behind 2019 with 414. The next highest is 2020 with 611 (a difference of 172 mass shootings).
- We know from earlier that October 2024 had 29 mass shootings. Thus, in order for 2024 to surpass 2020, we would have to have November and December to both have significantly more mass shootings than October (which has not happened once within the last 6 years).
- In fact, even if both November and December have exactly the same amount as the current peak of 2024 (June with 72), 2024 would have a total of 583.

CONCLUSION:

- It is important to remember that mass shootings only make up a small portion of gun related tragedies, but the lives lost are significant. There have been 2,938 victims of mass shootings this year.
- In the past 6 years, there have been a total 3,791 mass shootings which resulted in 19,350 victims.
- There is hope though, as it appears that 2024 will remain as the year with the third lowest amount of mass shootings within the last 6 years.

GITHUB REPOSITORY AND TABLEAU DASHBOARD

- <https://github.com/DataMathMan13/Mass-Shootings-2024-US>
- https://public.tableau.com/views/MassShootings2024UnitedStates/Dashboard1?:language=en-US&publish=yes&:sid=&:redirect=auth&:display_count=n&:origin=viz_share_link