US Accidents-Feb 2016 to Dec 2021

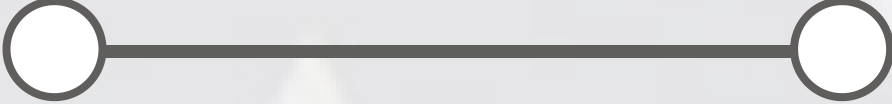| Total Accidents	Total States	Total Cities	Total County	Total Streets
2,845.34K	49	11.64K	1.69K	159.60K

2016 **2021**

Day

Night

Severity

1   4
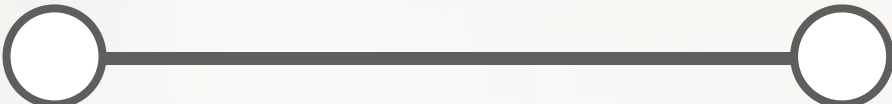
L   R

Timezone

All

Top 10 cites with cases

- Miami — 23.77%
- Los Angeles — 15.32%
- Orlando — 12.15%
- Dallas — 9.33%
- Houston — 8.77%
- Charlotte — 7.37%
- Sacramento — 7.24%
- San Diego — 5.92%
- Raleigh — 5.08%
- Minneapolis — 5.06%

 # Accident Cases / *City*

TOP 10 States with cases

- CA — 38.41%
- FL — 19.37%
- TX — 7.19%
- OR — 6.10%
- VA — 5.48%
- NY — 5.21%
- PA — 4.83%
- MN — 4.69%
- NC — 4.41%
- SC — 4.31%

 # Accident Cases / *State*

Cases by Timezone

- 1.22M (43%)
- 0.97M (34.03%)
- 0.49M (17.18%)
- 0.16M (5.79%)
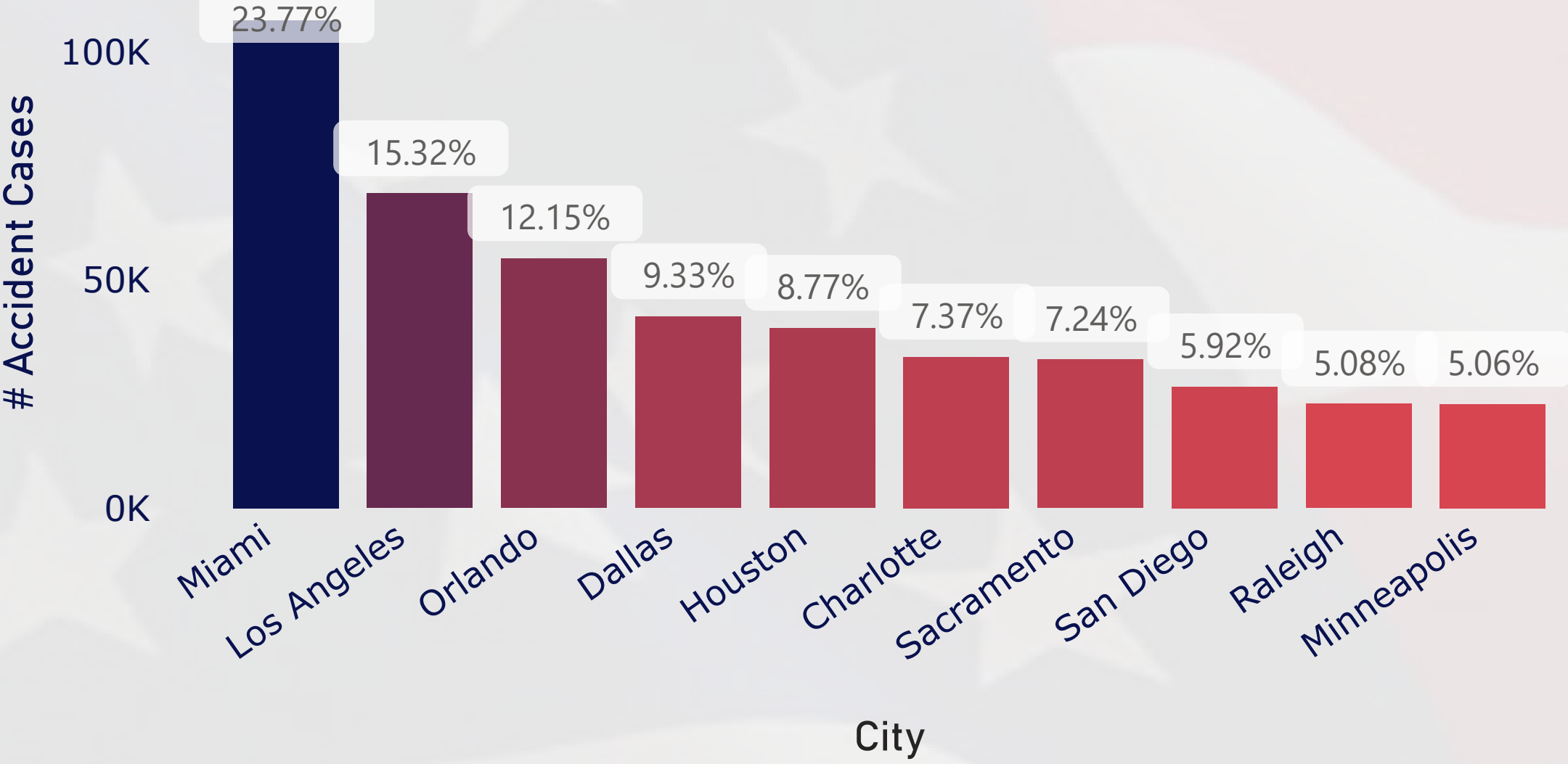
Timezone
- US/Eastern
- US/Pacific
- US/Central
- US/Mountain
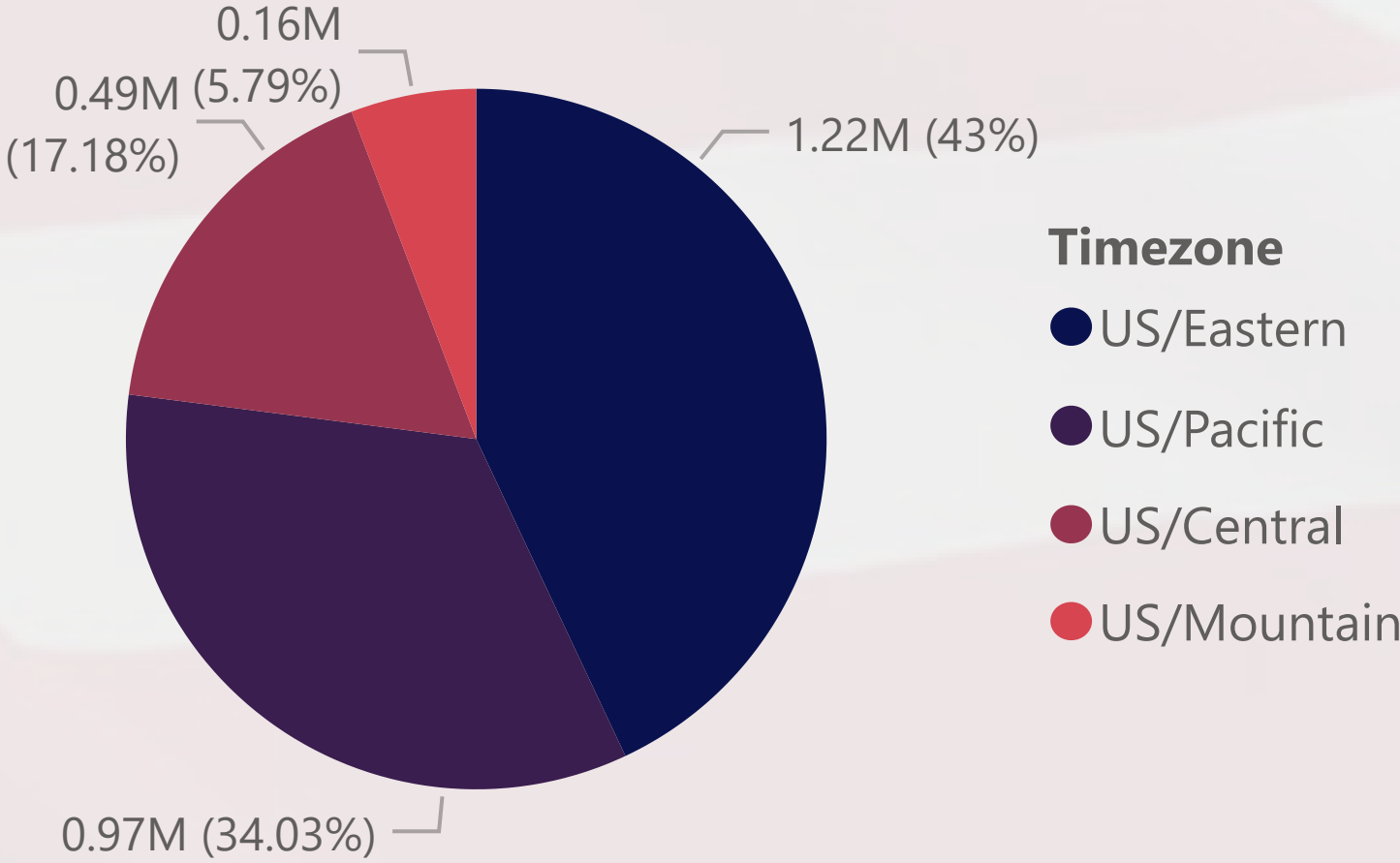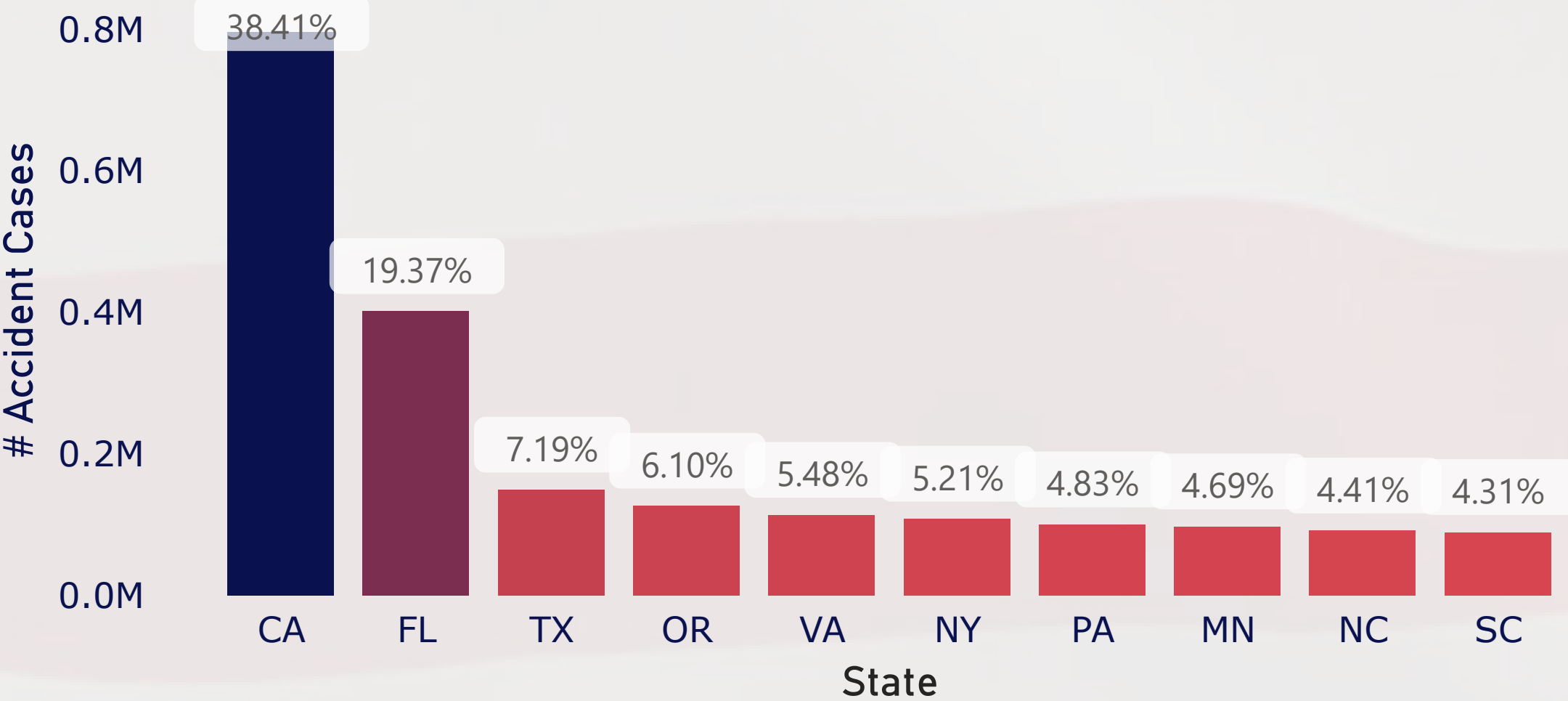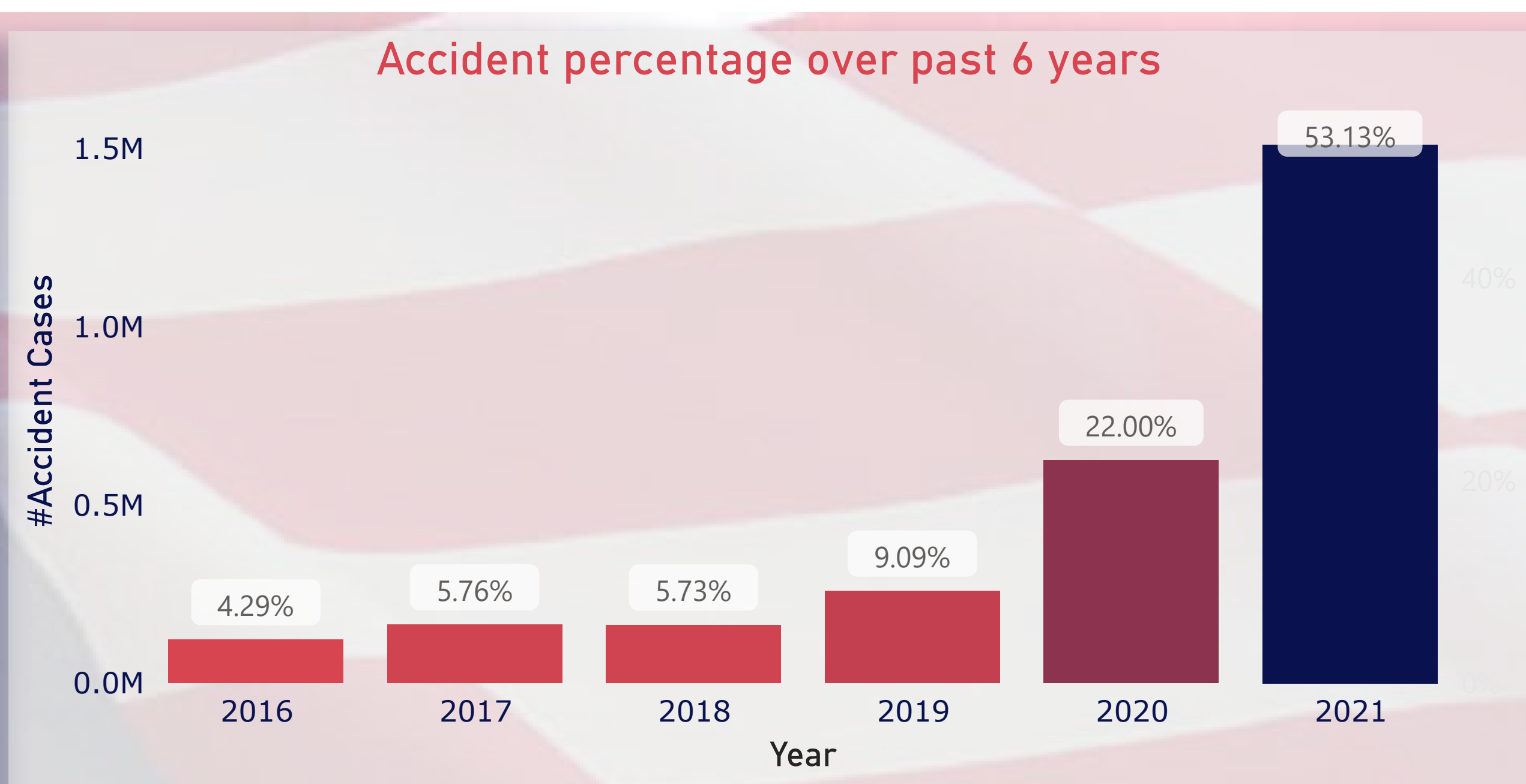
Insights:

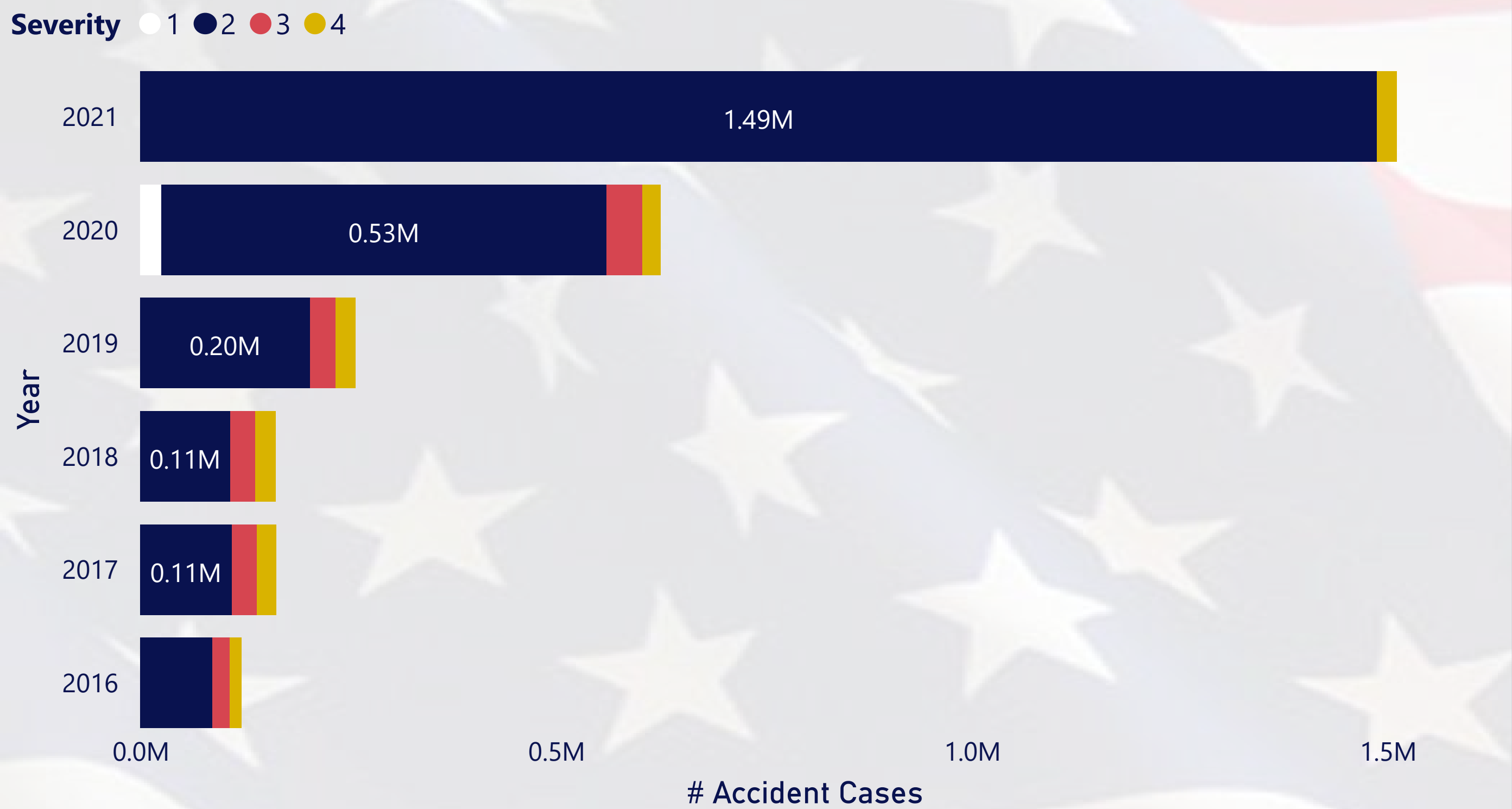1. **Miami** is the city with **highest (23.77%)** no. of road accidents in US (2016-2021).

• 2. **Los Angeles** is the city with **2nd highest (15.32%)** no. of road accidents in US (2016-2021).

• 3. In US, **California** is the state with **highest no. of road accidents** in past 6 years.

• 4. About **38.4%** of the total accident records of past 6 years in US is only from **California**.

Top 10 Streets by cases

Accident percentage over past 6 years

Cases by Severity
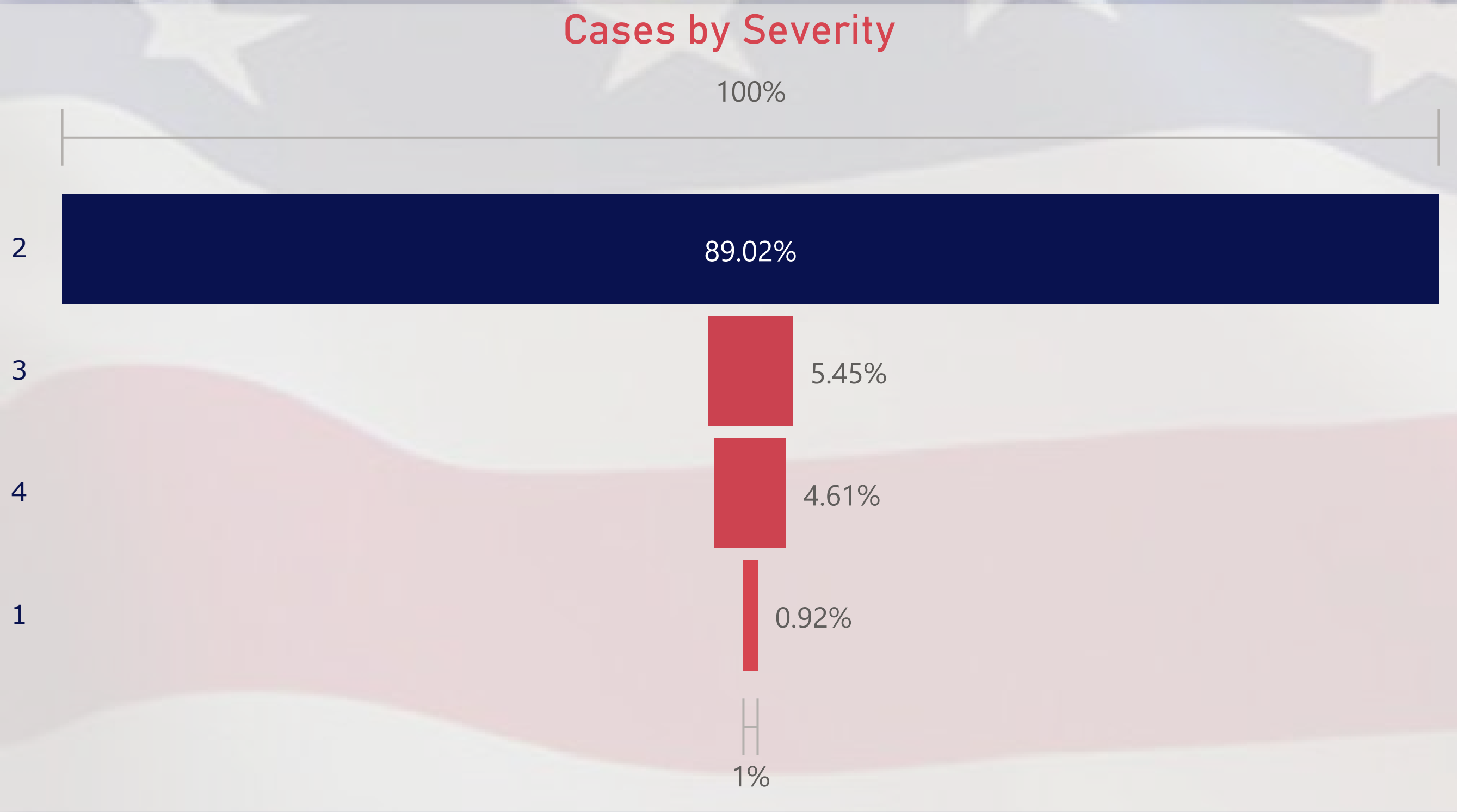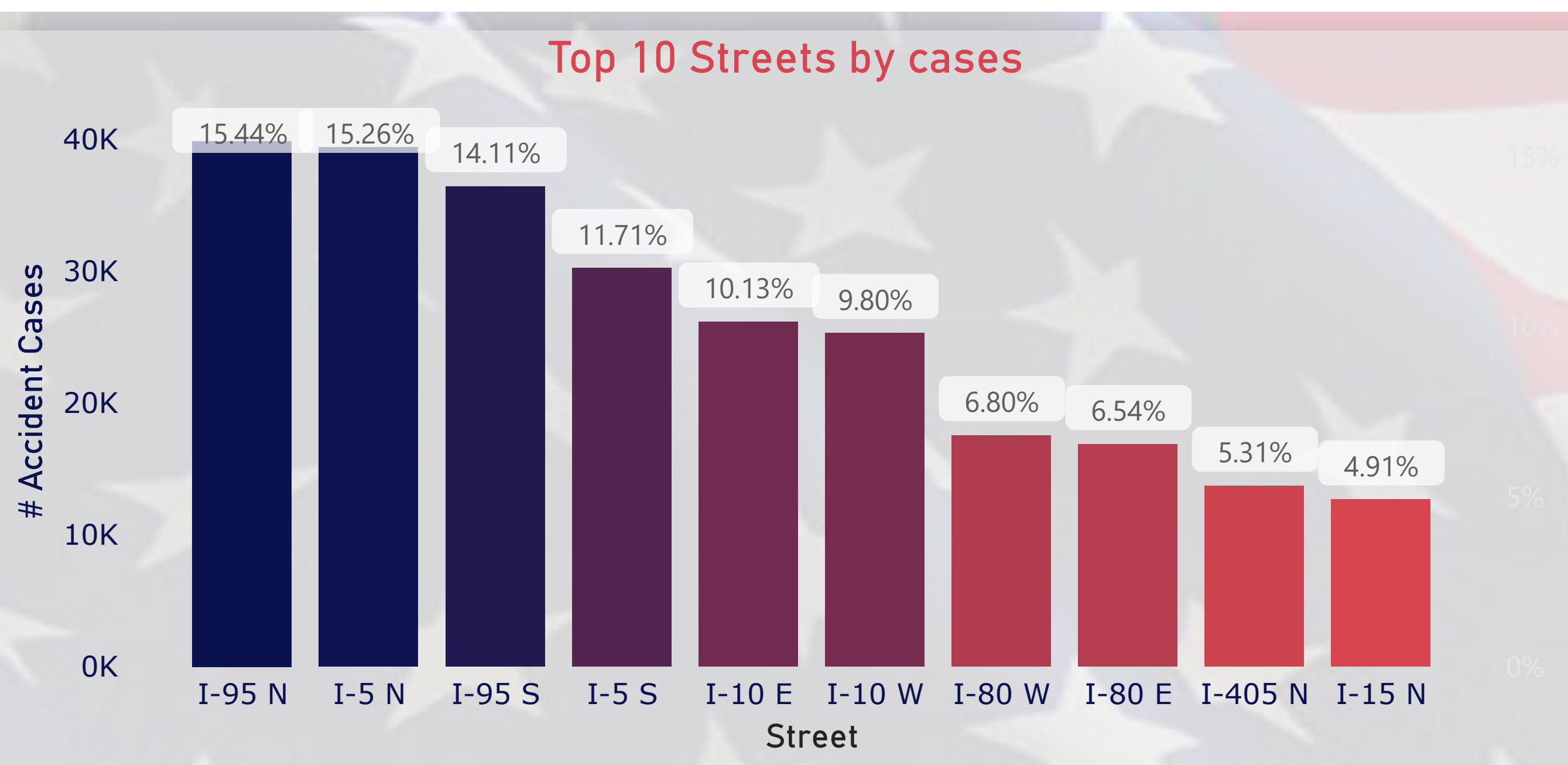
Insights:

- 5. In last 6 years (2016-2021) **Street No. I-95 N** is having the **highest road accidents records.**

- 6. In Maximum **Cases** of road accidents, the impact on the traffic was **Moderate (Severity-2).**

- 7. In **4.61% Cases** of road accidents, the impact on the traffic was **highly Severe (Severity-4)**.

- 8. It is clear that in **last 6 years (2016-2021)** in US **accidents percentage** has **increased significantly.**

- 9. **75%** of the total road accident records of last 6 years happened only within **last 2 years (2020, 2021).**

Accidents by Year and Severity

Severity ○ 1 ● 2 ● 3 ● 4

| Year	# Accident Cases
2021	1.49M
2020	0.53M
2019	0.20M
2018	0.11M
2017	0.11M
2016	

0.0M   0.5M   1.0M   1.5M

Accident Cases

Average cases of Accident/Day

Accident cases

Year	
2016	0.3K
2017	0.4K
2018	0.4K
2019	0.7K
2020	1.7K
2021	4.1K

1.5M
1.0M
0.5M
0.0M

Year

Accidents by Month

Accident Cases

| Month	%
January	6.97%
February	6.85%
March	5.56%
April	6.04%
May	6.39%
June	7.96%
July	5.59%
August	6.28%
September	8.50%
October	10.51%
November	12.68%
December	16.66%

Months
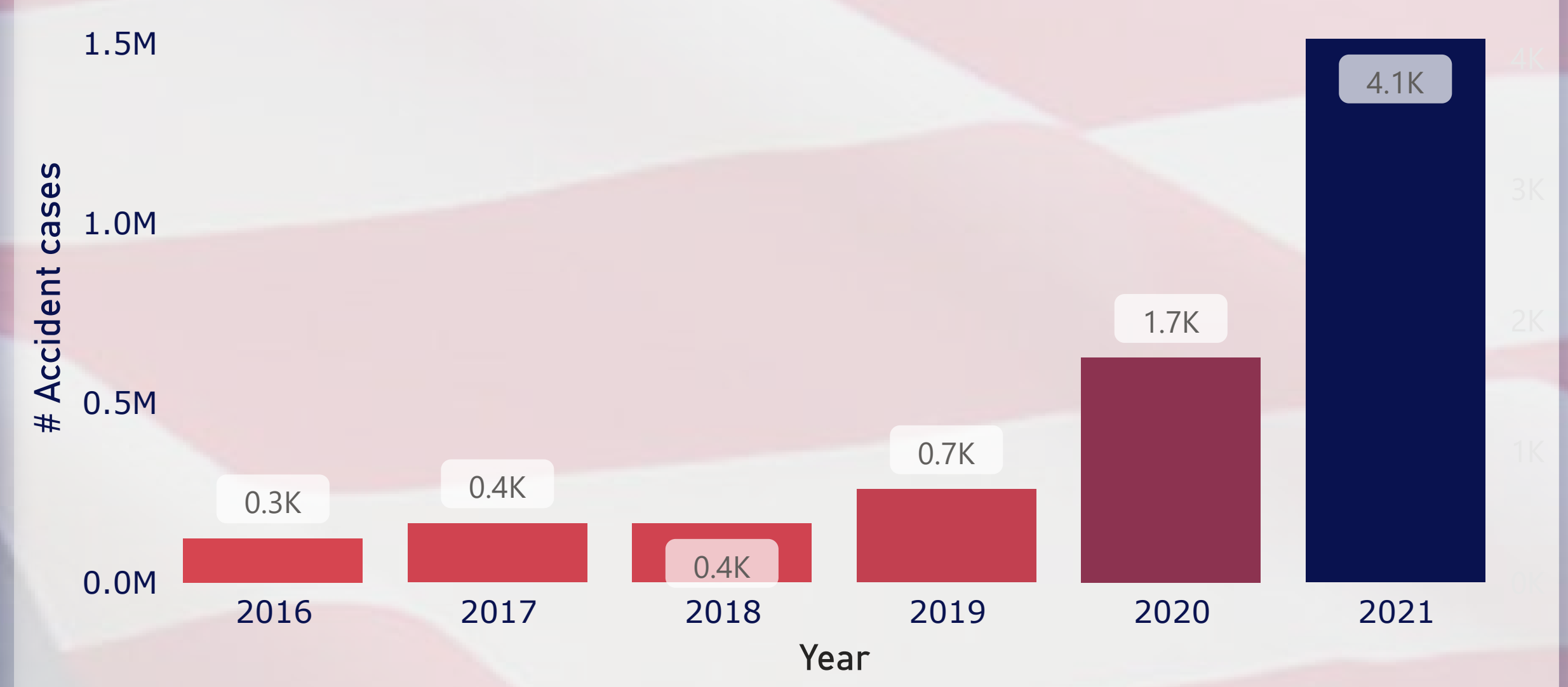
Insights:

- 10. In **last 6 years (2016-2021) highly severe (Severity-4)** accident cases in US remain in the range of **0.48% to 0.84%**.

- 11. **52.3%** of the total road accidents of last 6 years which occurred only in **2021** are **moderately severe (Severity-2)**.

- 12. In the year **2021**, averagely **4141 accidents** happened **per day** in US.

- 13. From **2020** to **2021** the **average accident/day** has **increased 2.4 times** in US.

- 14. Around **17%** of the road accidents occurred in the month of **December**.

- 15. **March** is month with **least (5.56%)** no. of road accidents in US.

- 16. **40%** of the road accidents occurred only within the **3 months, October to December (i.e., winter)**

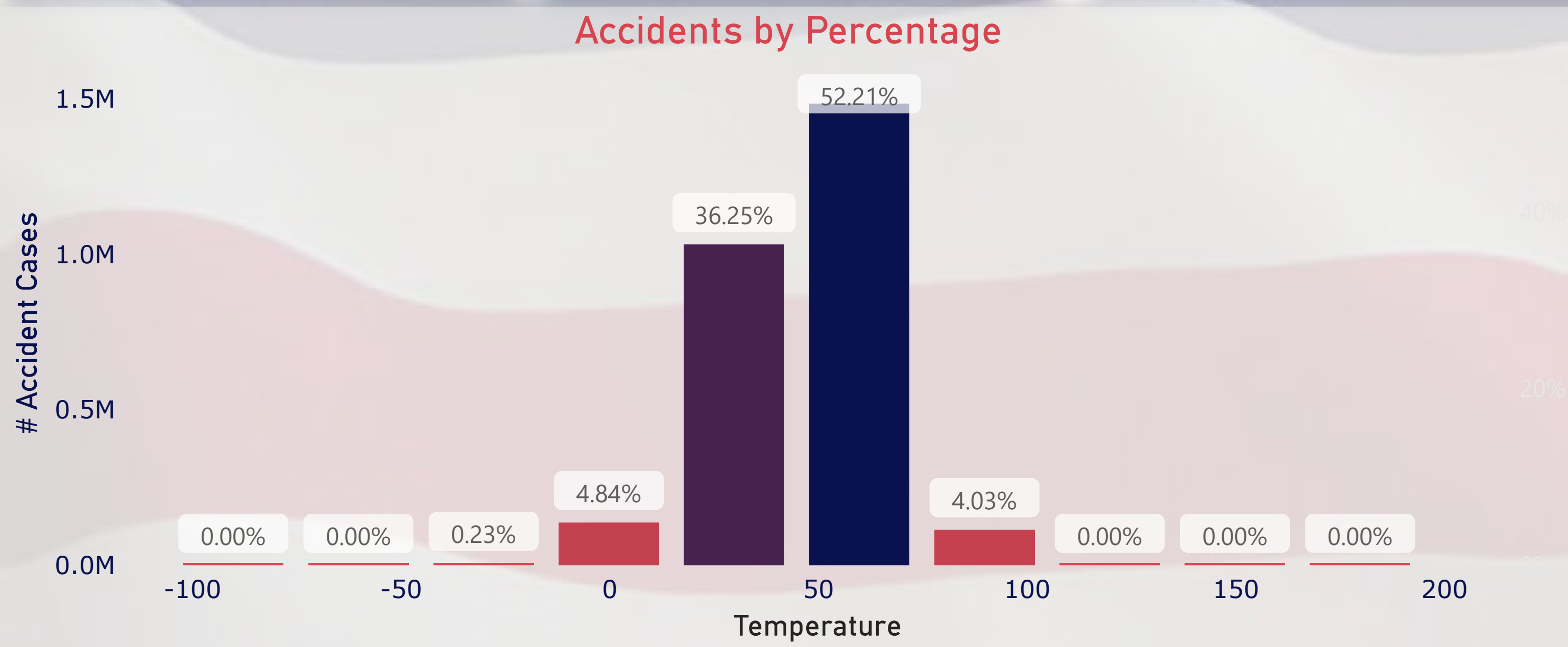# Accidents for Hours along the Day

Accidents for Weather Condition
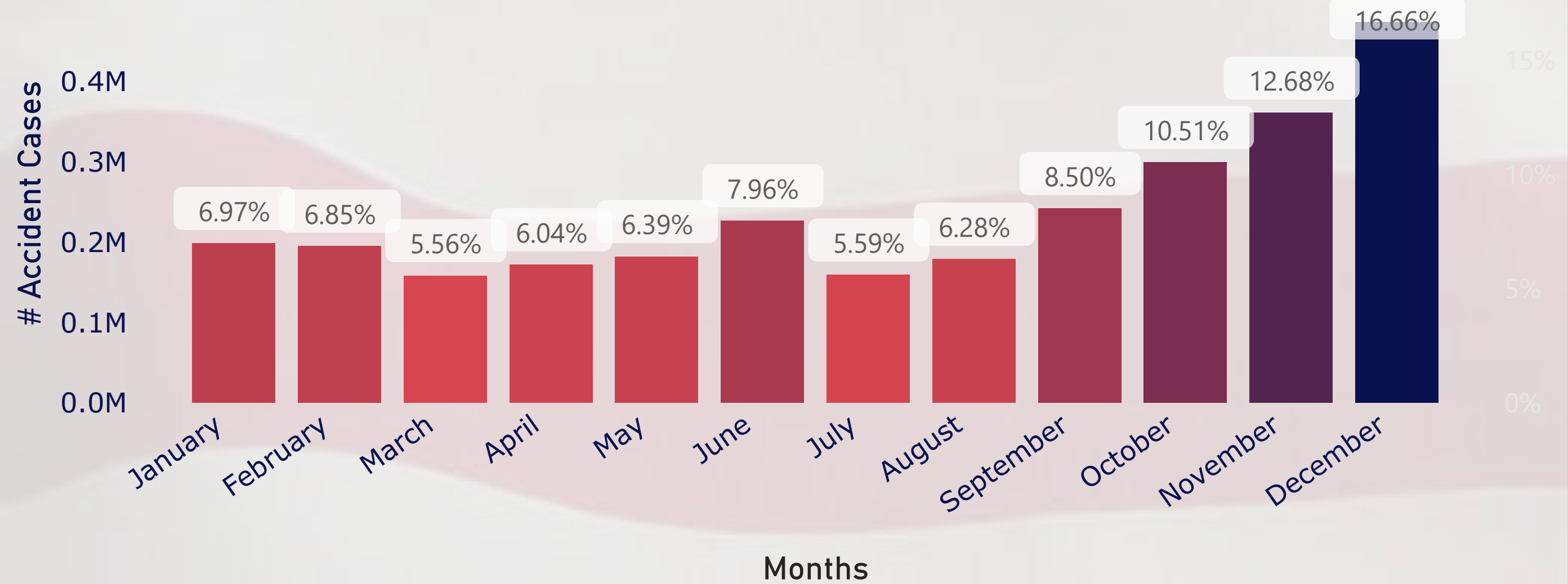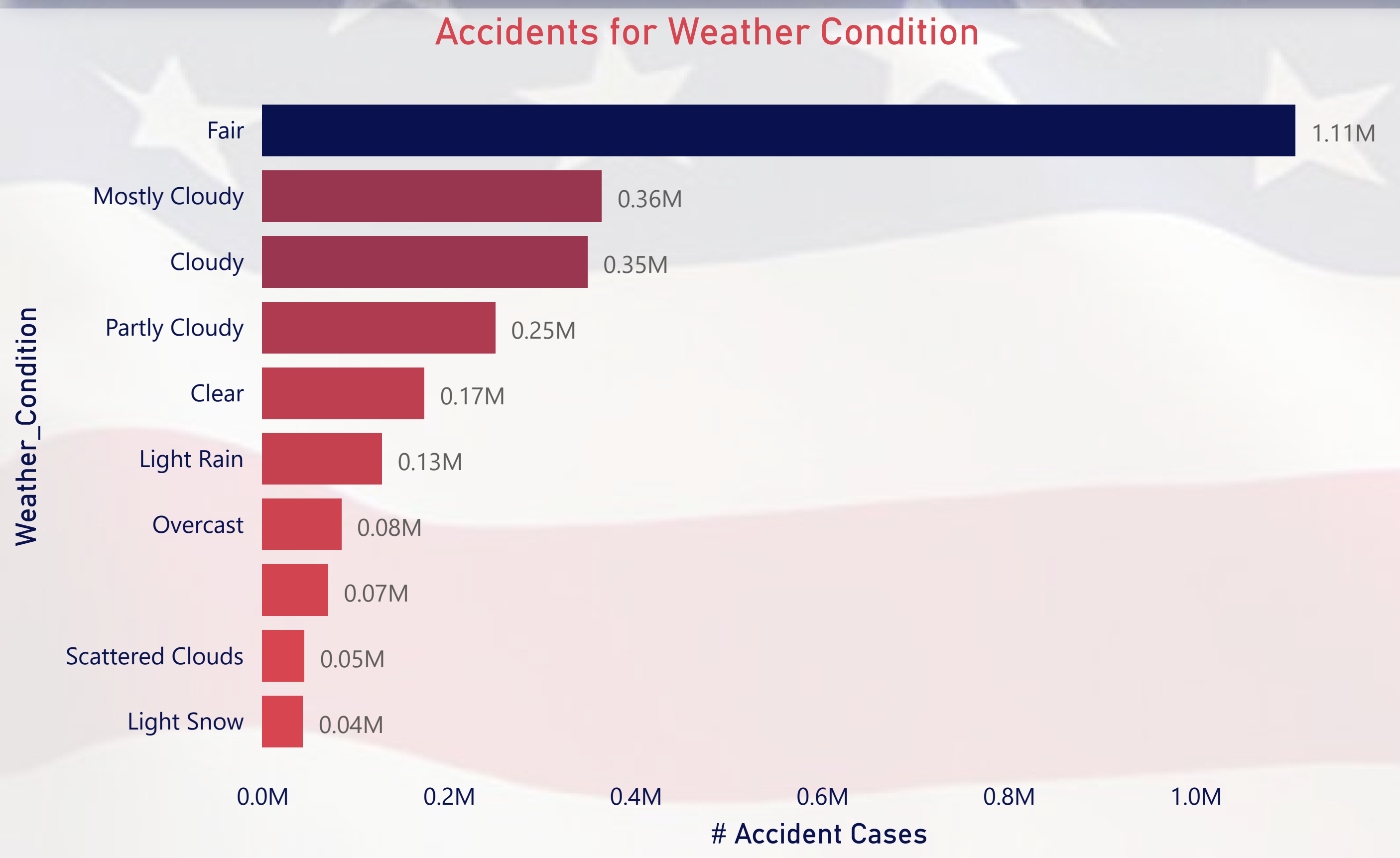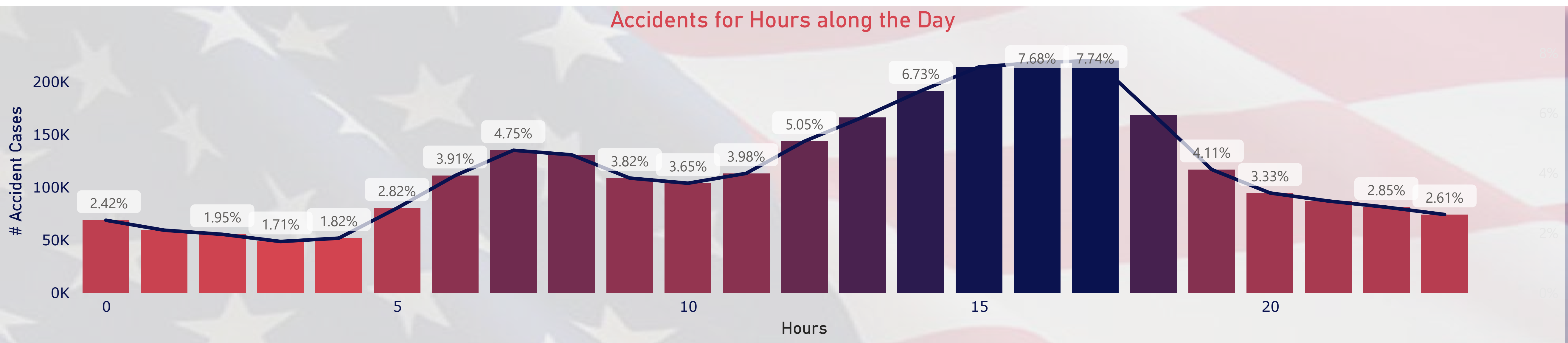
Insights:

- 17. Around **17%** of the road accidents occurred in between **6:00AM** to **9:00AM**.

- 18. In evening, around **36%** of the road accidents occurred in between 2**:00PM** to **6:00PM**.

- 19. The **most-deadliest accident hour** is **5:00PM** implies the **Evening Office-Returning Hours**.

- 20. The **2nd most-deadliest accident hour** is **7:00AM** implies the **Morning Office-Going Hours**.

- 21. In **most** of the **cases (42.32%)** the **weather** was **Fair** and approximately in **13.91% cases** it was **mostly cloudy**.

Presence of Bump

True 0.04%
False 99.96%

Bump
- False
- True

Presence of Crossing

True 7.04%
False 92.96%

Crossing
- False
- True

Presence of Give_Way

True 0.24%
False 99.76%

Give_Way
- False
- True

Presence of Junction

True 10.21%
False 89.79%

Junction
- False
- True

Presence of Stop

True 1.77%
False 98.23%

Stop
- False
- True

Presence of No Exit

True 0.15%
False 99.85%

No_Exit
- False
- True

Presence of Traffic Signal

True 9.32%
False 90.68%

Traffic_Sig...
- False
- True

Presence of Tuning Loop

False 100%

Turning_L...
- False

Insights:

- 22. Almost in every case **(99.96%)** **Bumper was absent** in the accident spot.

- 23. In **7.04%** cases, road accidents happened **near the crossing**.

- 24. In **98.23%** cases, there were **no Stop** near the accident area.

- 25. **10.21%** road accident cases recorded **near the junctions**.

- 26. There are no accident cases recorded near the **Turning Loop**.

- 27. **9.32%** road accident cases recorded **near the traffic signal**.

- 28. In the **temperature** range of **20(F) - 70(F)**, **88.46%** of the road accidents occurred.

Accidents by Percentage

Accident Cases

1.5M
1.0M
0.5M
0.0M

-100: 0.00%
-50: 0.00%
0: 0.23%, 4.84%
50: 36.25%, 52.21%
100: 4.03%, 0.00%
150: 0.00%
200: 0.00%

Temperature