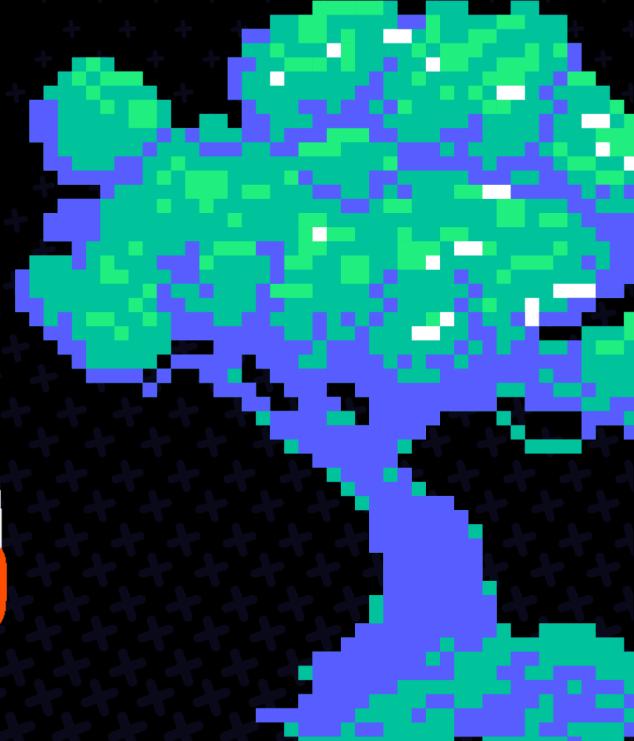
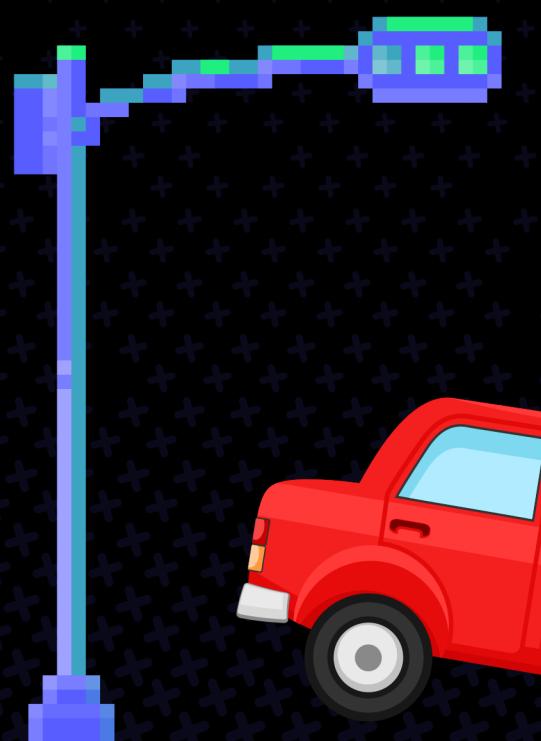


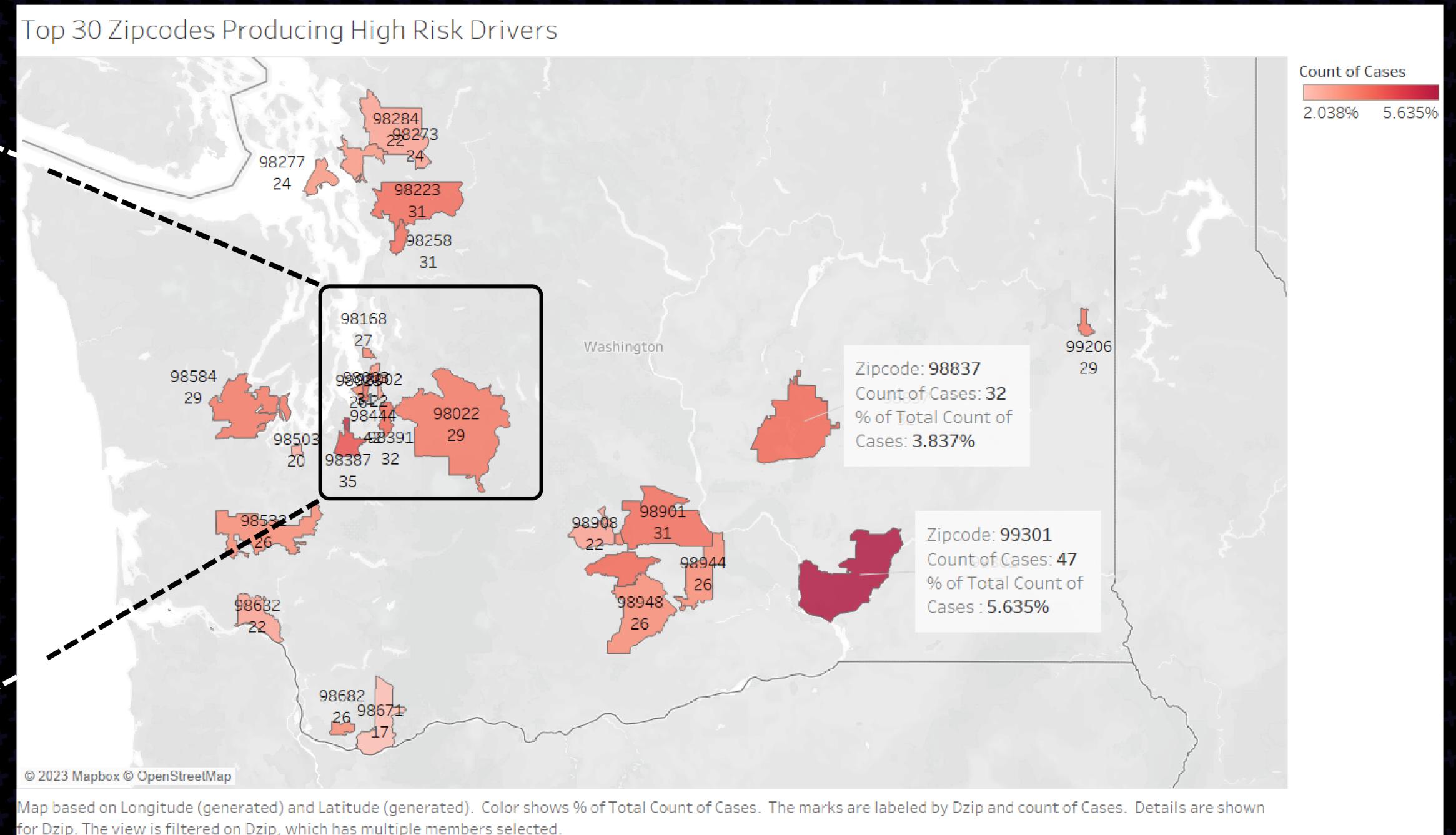
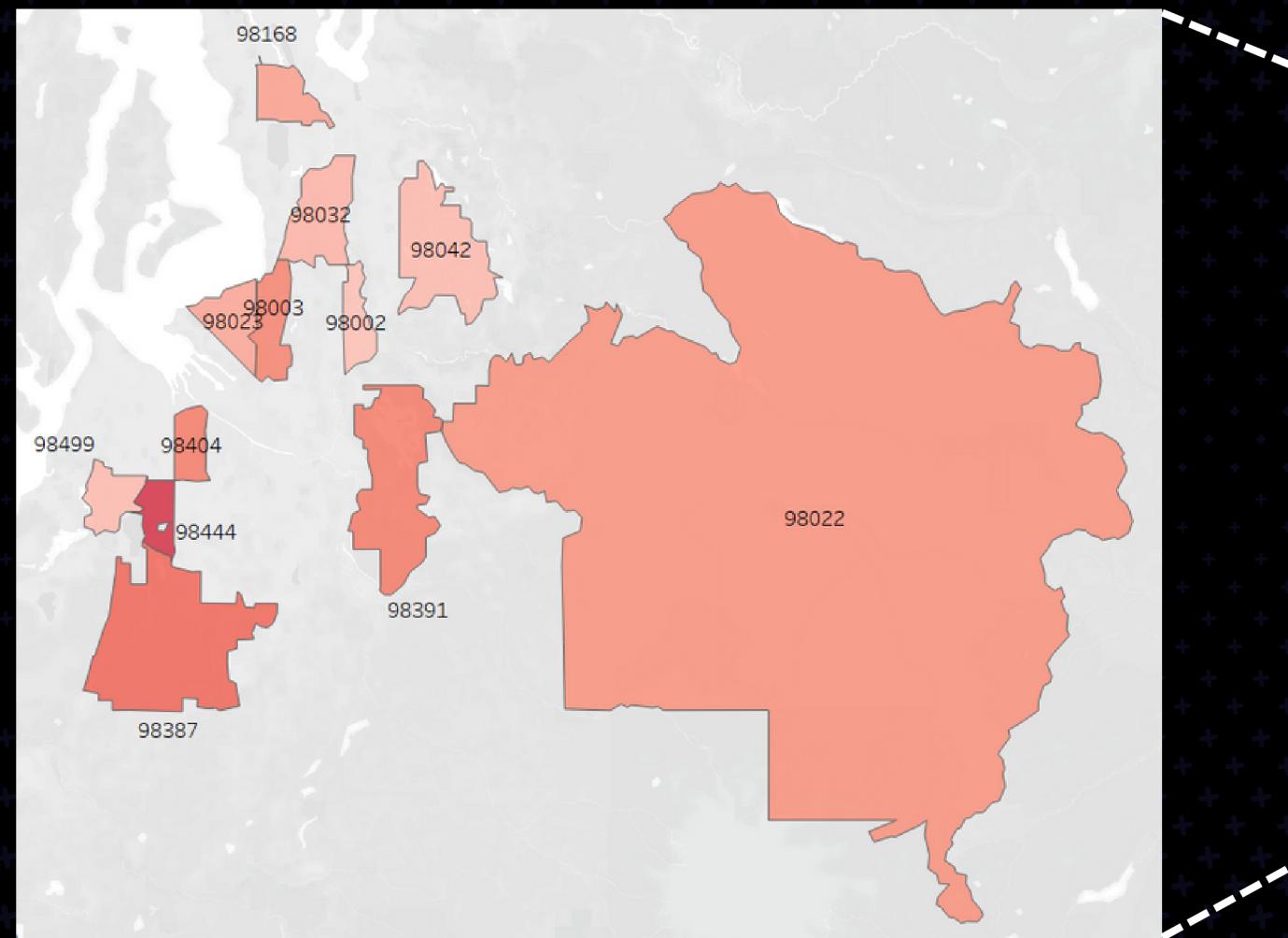
TEAM - IC23048

WASHINGTON STATE FATAL CRASHES DATA



FATAL CRASHES IN WA (2017-2021)

HIGH-RISK DRIVER PRODUCING ZIPCODES

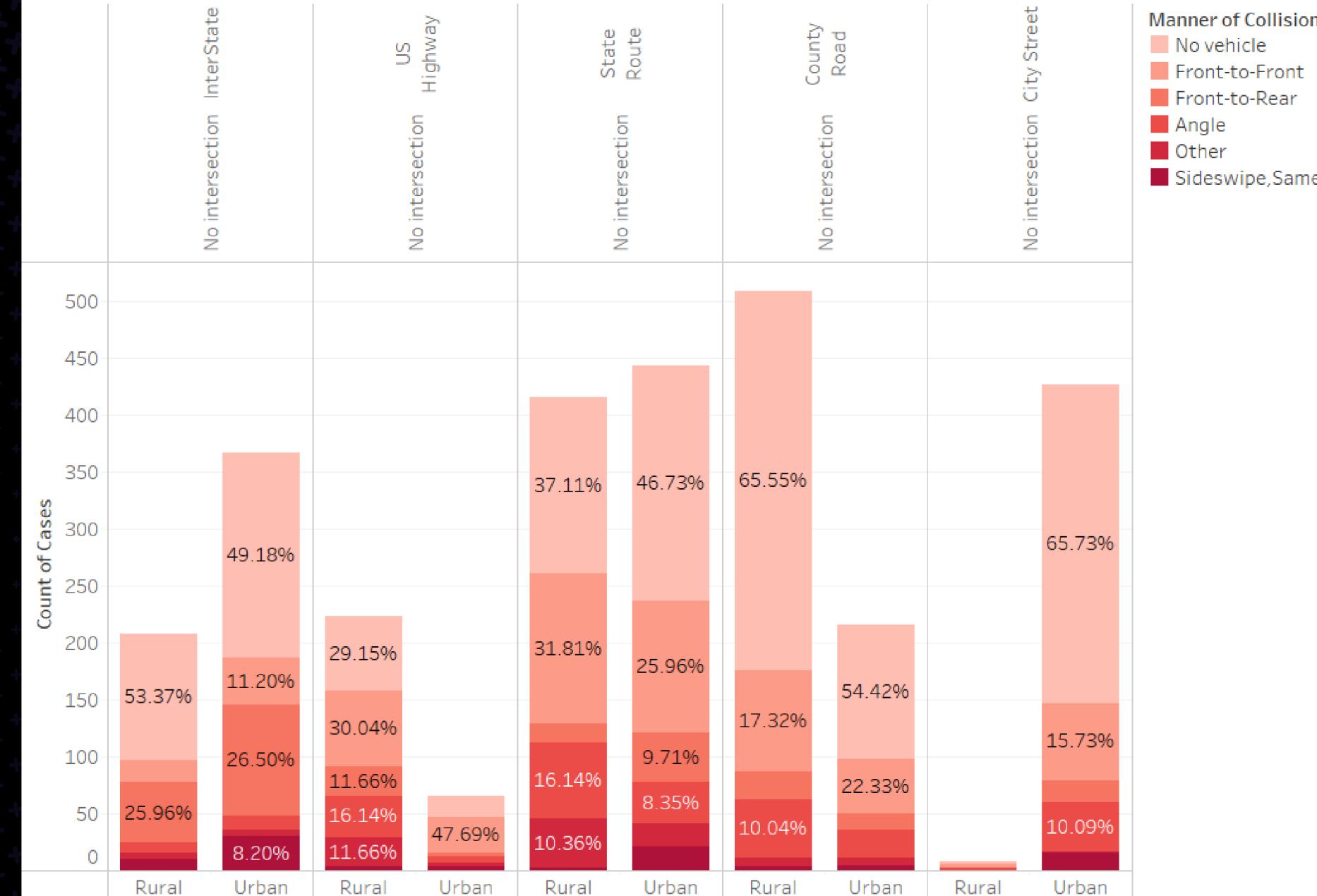


MAXIMUM ARE RURAL AREAS + LOW INCOME GROUP

ANALYZING WITH ROAD CLASS

❖ HIGHEST ACCIDENTS ARE ON RURAL, NO INTERSECTION, STRAIGHT COUNTY ROADS.

Analysis on the basis of Road Class



Count of Cases for each Landuse1 broken down by Route and Intersection Type. Color shows details about Manner of Collision. The marks are labeled by % of Total Count of Cases. The view is filtered on Route, Intersection Type and Exclusions (Intersection Type, Landuse1, Manner of Collision, Route). The Route filter keeps InterState, US Highway, State Route, County Road and City Street. The Intersection Type filter keeps No intersection. The Exclusions (Intersection Type, Landuse1, Manner of Collision, Route) filter keeps 160 members.

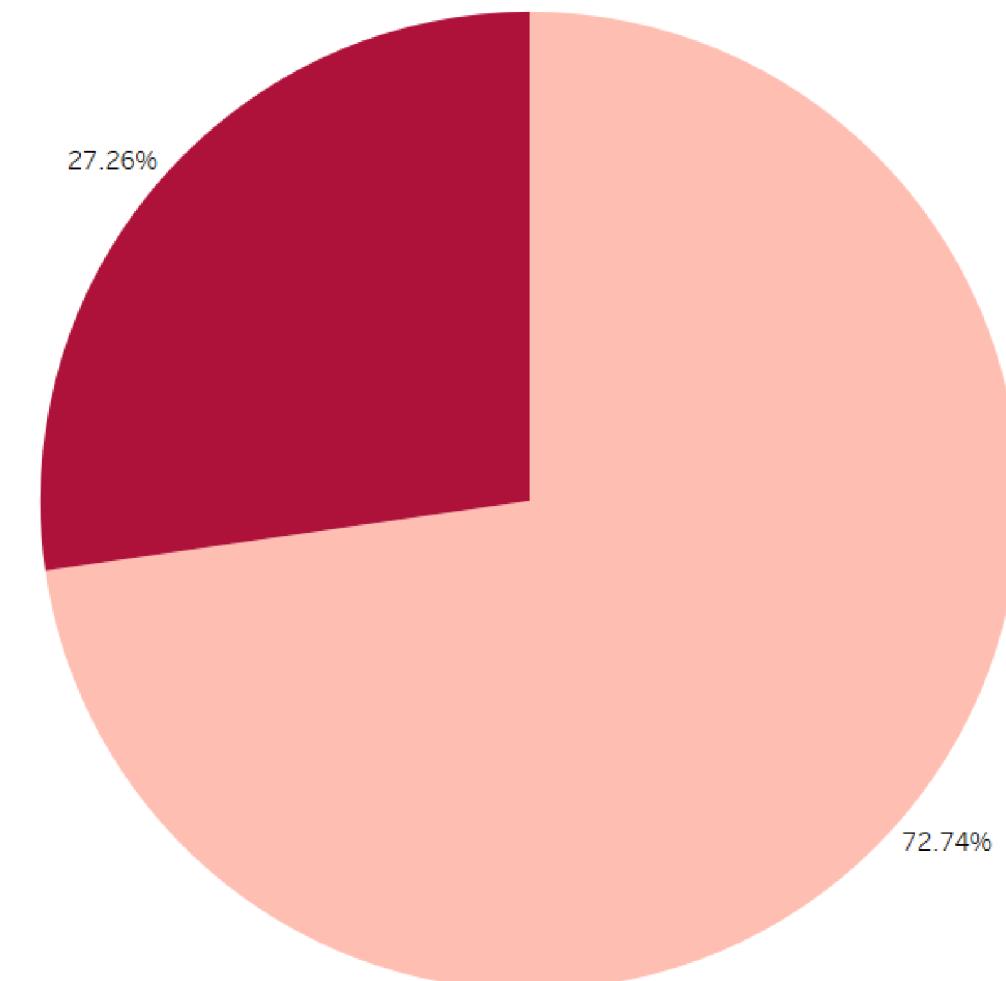
PROPORTION OF HIGH-RISK DRIVERS



RESIDENTS VS. NON-RESIDENTS

- TYPES OF CRASHES ARE ALMOST THE SAME FOR RESIDENTS AND NON-RESIDENTS

Propotion of Drivers who belong to the same zipcode vs drivers from another zipcode



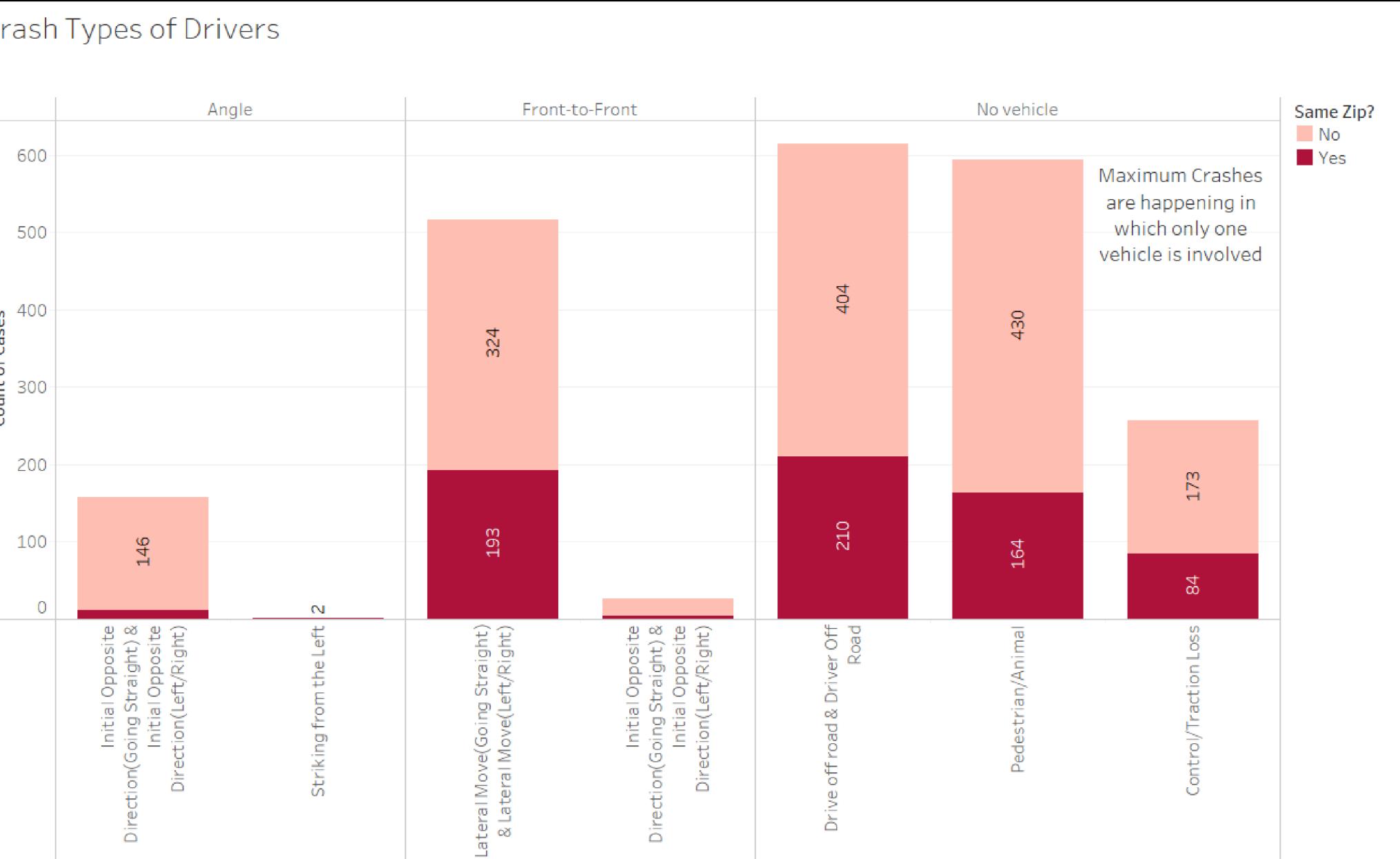
Same Zip?
No
Yes

4,109

% of Total Count of Cases. Color shows details about Same Zip?. Size shows count of Cases. The marks are labeled by % of Total Count of Cases.

ANALYZING MANNER OF COLLISION

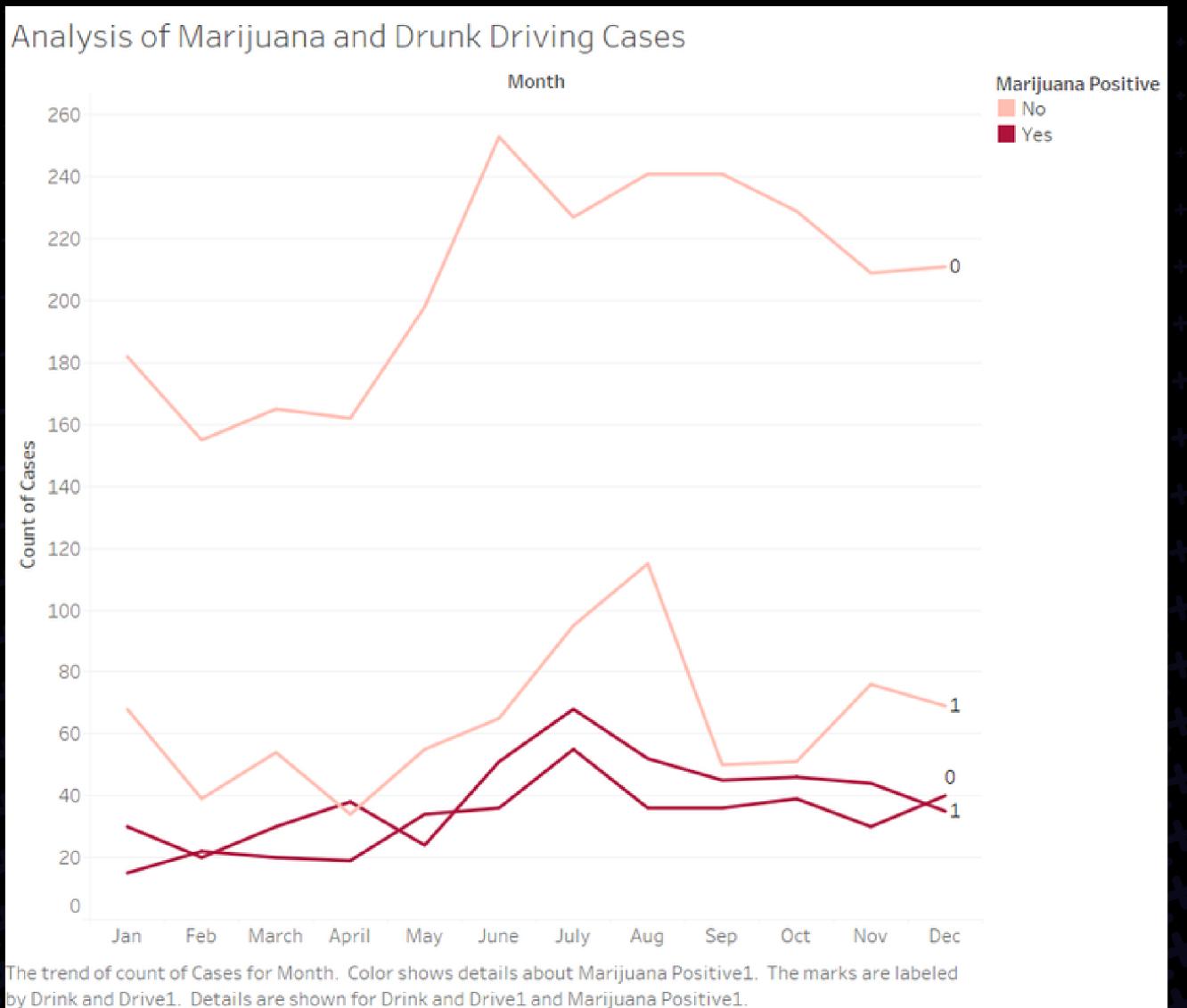
- + HIGHEST CASES ARE CASES INVOLVING ONLY ONE CAR
- + MAXIMUM DRIVER'S HIT A PEDESTRIAN / ANIMAL
- + RURAL AREA , STRAIGHT ROADS, NON-DISTRACTED, NOT UNDER THE INFLUENCE
- + DRIVERS HITTING SPECIFICALLY ANIMALS



- + RECOMMENDATIONS:
 - + HIGHER FENCES
 - + SHOCK ABSORBING RAILING BUMPERS

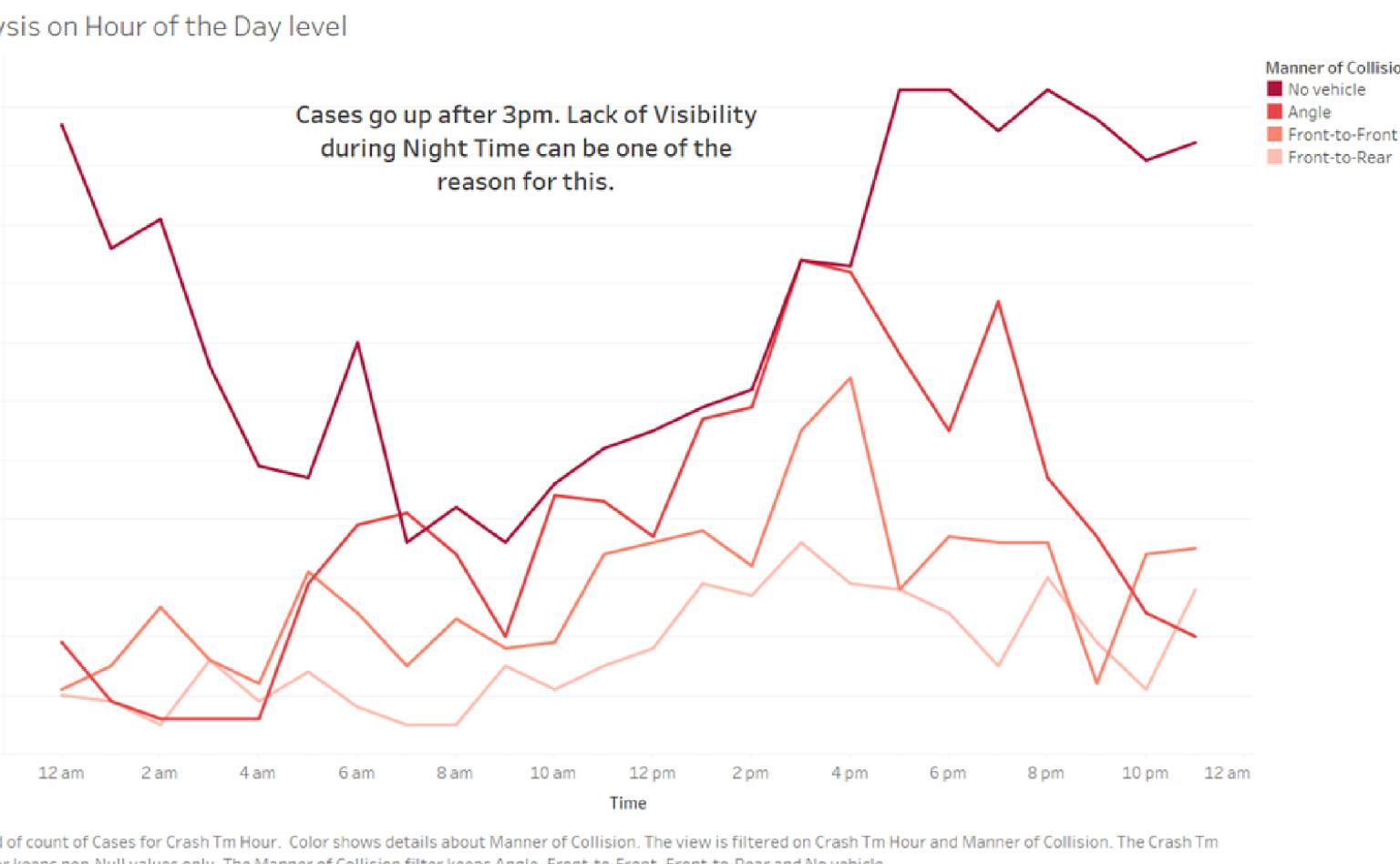
ANALYZING DRIVERS UNDER THE INFLUENCE

- ◆ THE DRUNK DRIVING CASES KEEP INCREASING FROM JUNE-AUGUST
- ◆ SLIGHT INCREASE IN MARIJUANA USE IN THAT PERIOD



ANALYZING ACCIDENTS IN A DAY

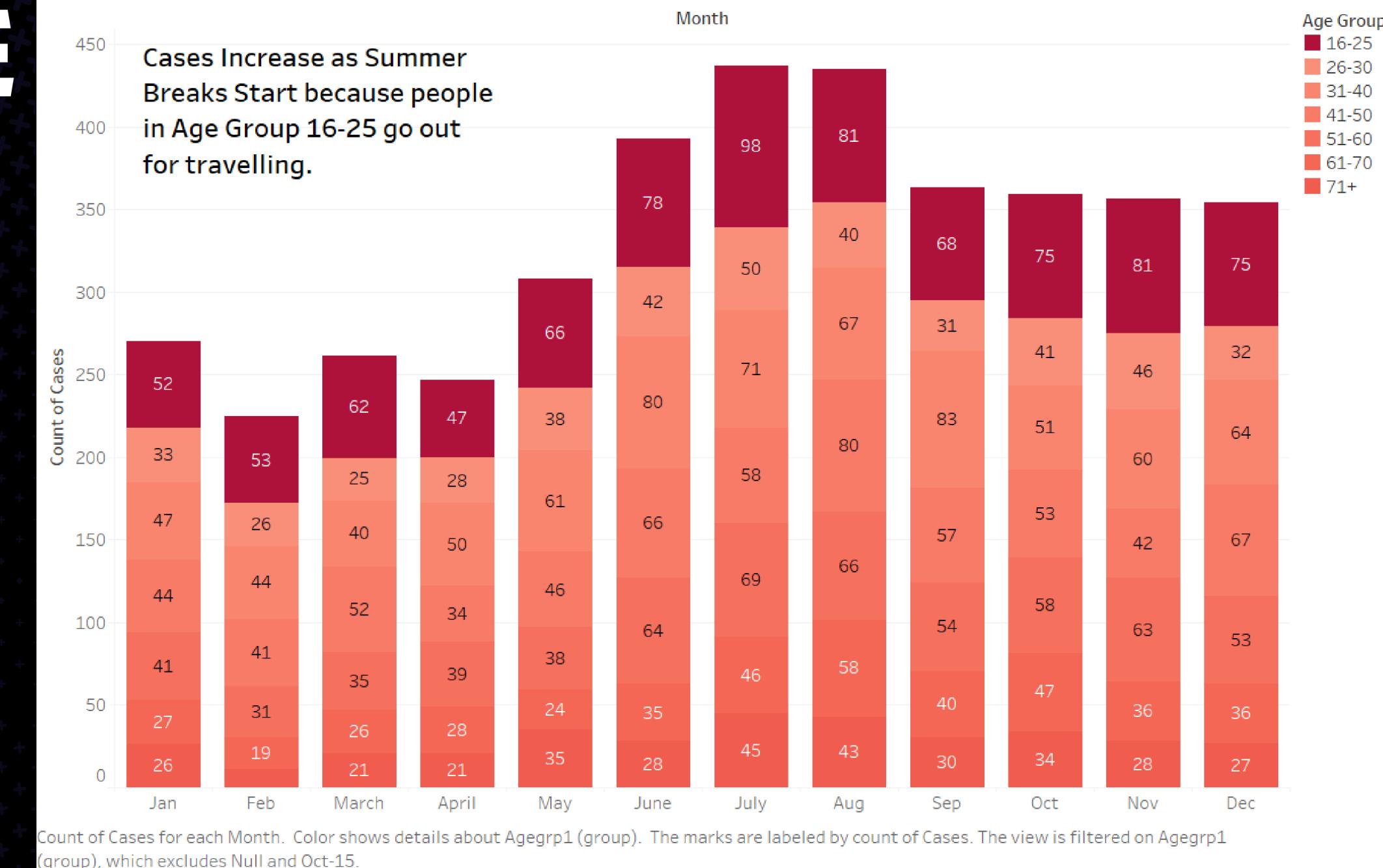
- ◆ THE ACCIDENTS INCREASE AFTER 3PM
- ◆ LACK OF VISIBILITY IN THE EVENING
- ◆ ACCIDENT DECREASE IN THE DAY TIME



ANALYZING AGE GROUPS

- MOST ACCIDENTS ARE CAUSED FROM JUNE TO AUGUST.
- IN THESE MONTHS THE ACCIDENT CAUSED BY AGE GROUP 16-25 SHOW SIGNIFICANT INCREASE.
- LOGICALLY, DURING THERE SHOULD BE MORE CRASHES IN WINTER DUE TO SNOW BUT MAXIMUM CASES ARE DURING SUMMERS.

Age wise distribution

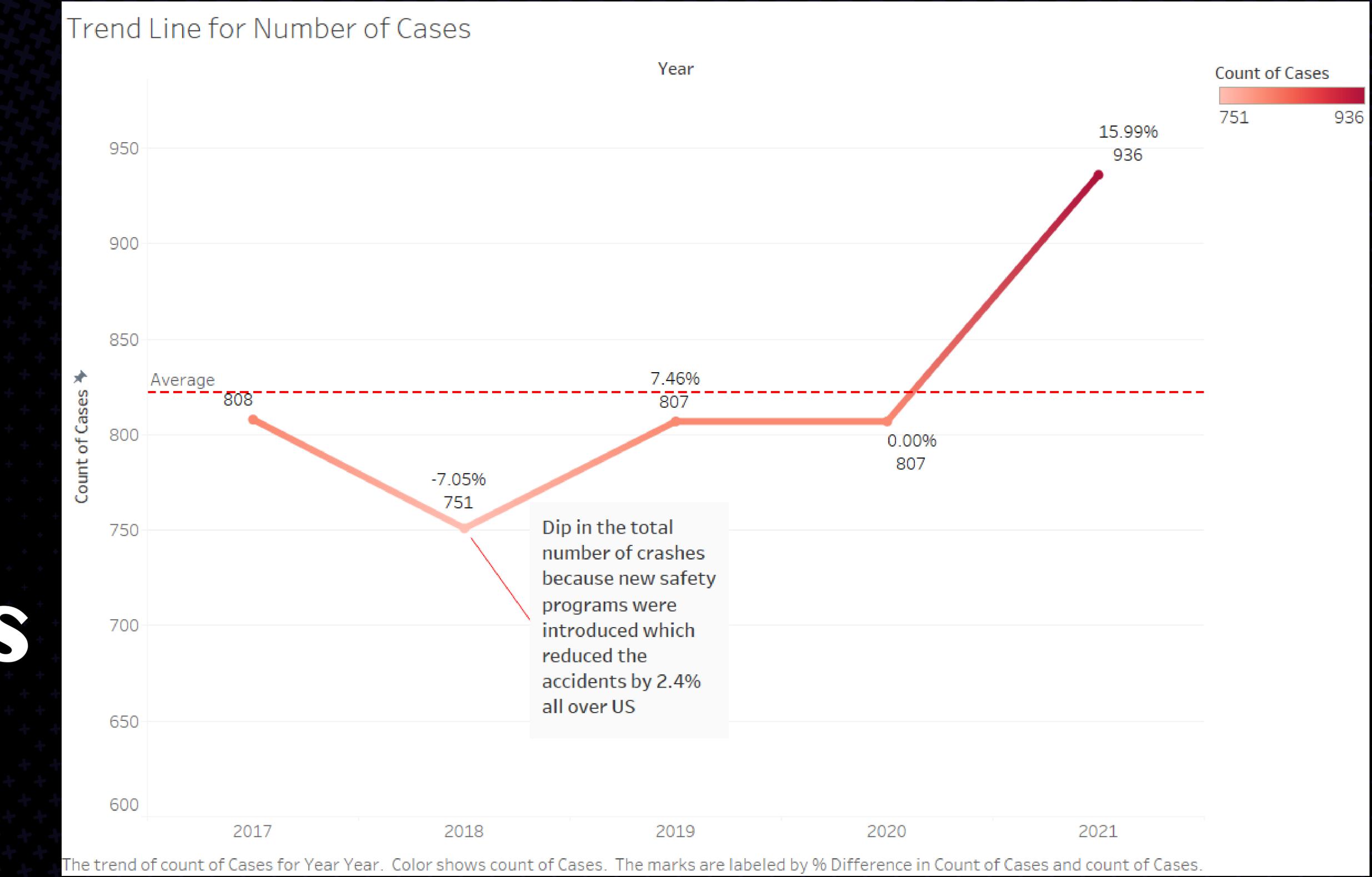


- THERE ARE HIGH NUMBER OF ACCIDENT IN THE SUMMER BECAUSE OF THE SUMMER BREAK.

RECOMMENDATION: MORE SURVEILLANCE WITH HELP OF CCTV CAMERAS AND POLICE CHECKPOINTS

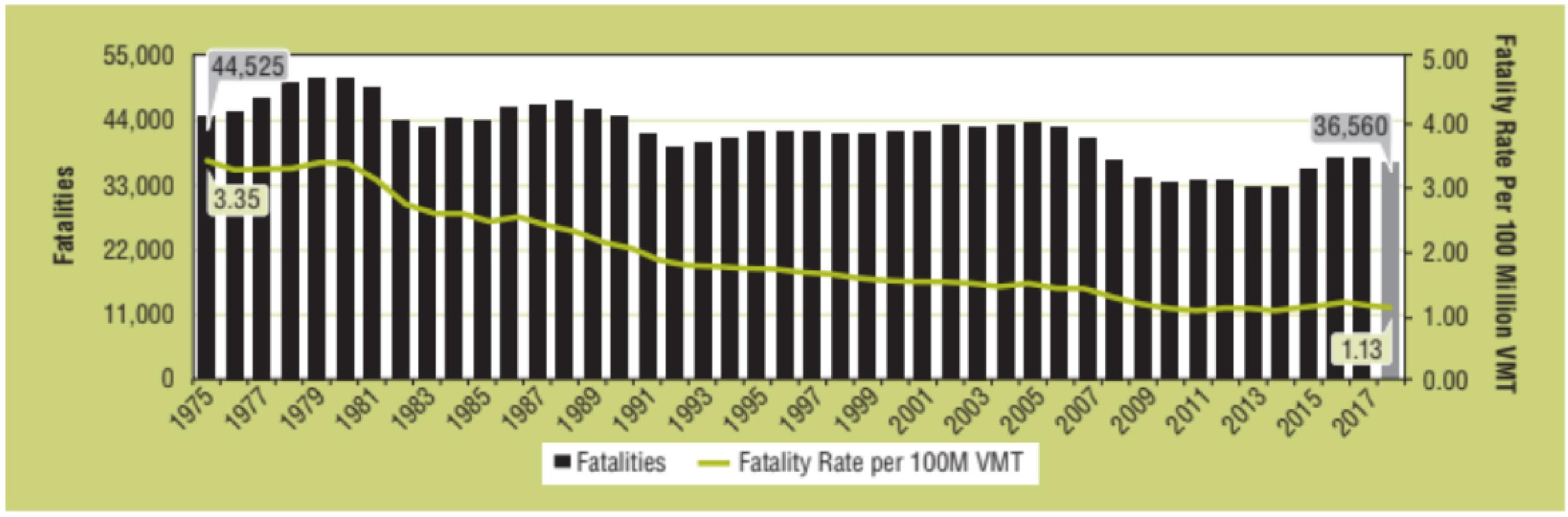
DIP IN ACCIDENTS IN 2018

ACCIDENT TRENDS OVER THE YEARS



NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

Fatalities and Fatality Rate per 100 Million VMT, by Year, 1975-2018



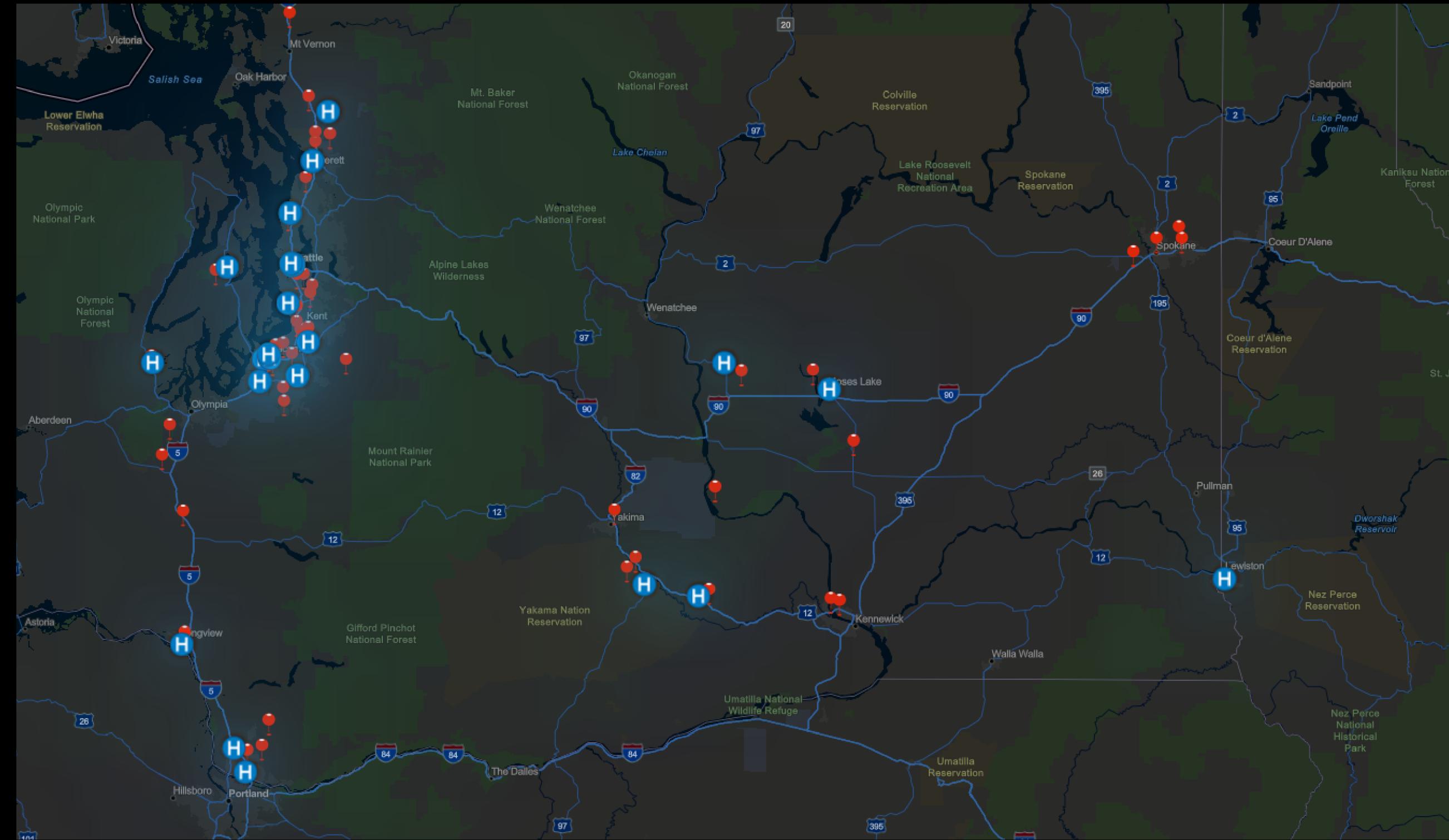
Sources: FARS 1975-2017 Final File, 2018 ARF; 1975-2017 VMT – Federal Highway Administration's (FHWA) Annual Highway Statistics; 2018 VMT – FHWA's June 2019 TVT

- ACROSS THE U.S.A THERE WAS A %2.4 DECREASE FROM 2017 -2018
- 2018 HAD 36,560 FATAL CAR ACCIDENTS IN THE ENTIRE US.
- 754 OF THOSE ACCIDENTS WERE IN WASHINGTON STATE
- RECOMMENDATION: STRICT REFORMS AGAINST CARELESS DRIVING

NEARBY HOSPITALS



HOSPITALS NEAR HIGHEST CASES





THANK YOU!