New Hampshire Traffic Stops

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Are “Teen drivers” treated differently than other age classes of drivers?

Dimensions for Analysis:

- Gender
- Monthly Trend of Stops
- Violation Type
- County
- TBD

Filters:

- Removed N/As in regard to “driver_age”
- Only stops which occurred in 2015

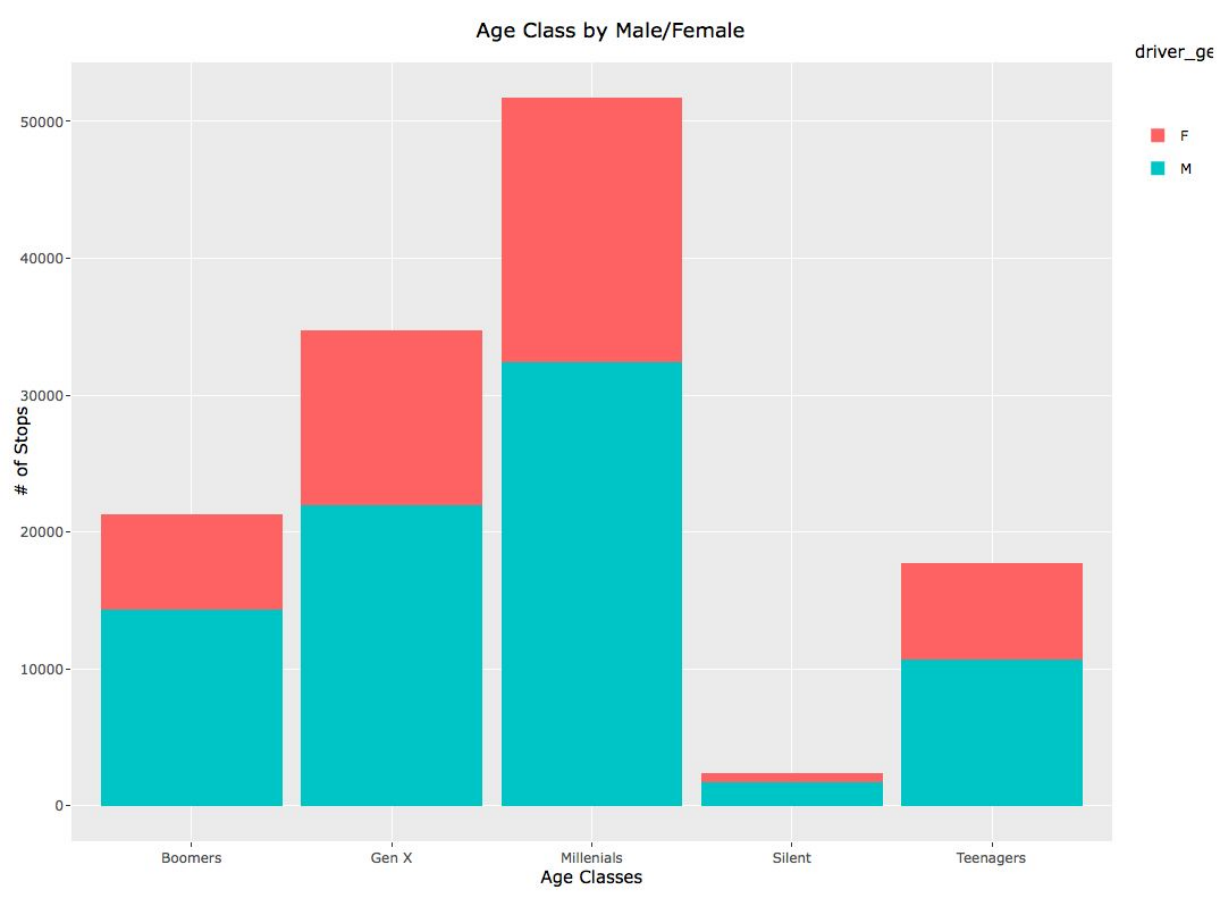
Reference Guide for Age Classes:

Class	Age Range
Teenagers	15 - 21
Millennials	22 - 37
Gen X	38 - 53
Boomers	54 - 72
Silent	>72

*Source: Pew Research Center

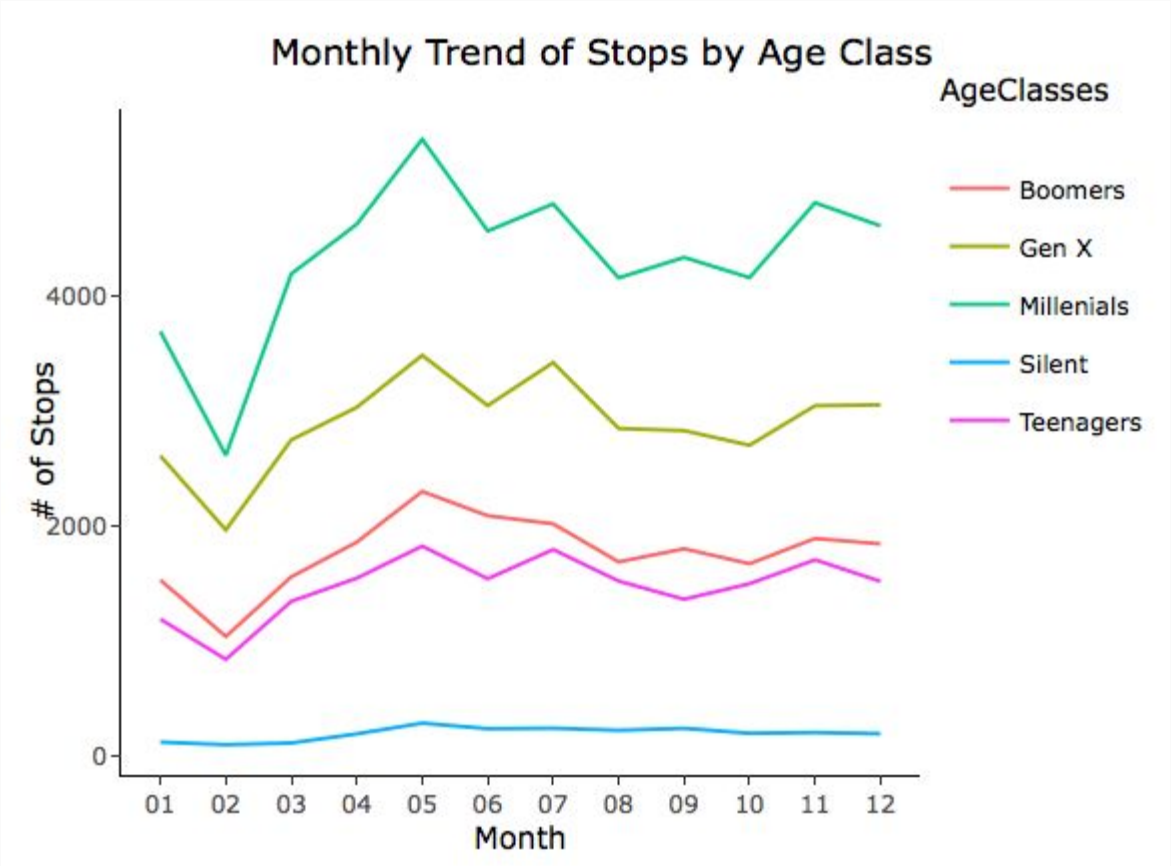
Males and Females in Each Age Group

- Simple bar graph with population against age classes with male and female filters.
- Each Age classes have more male population.
- Millennials group have the highest number of ratio followed by GenX.
- So the Millennials are the largest population group in these NH traffic dataset.



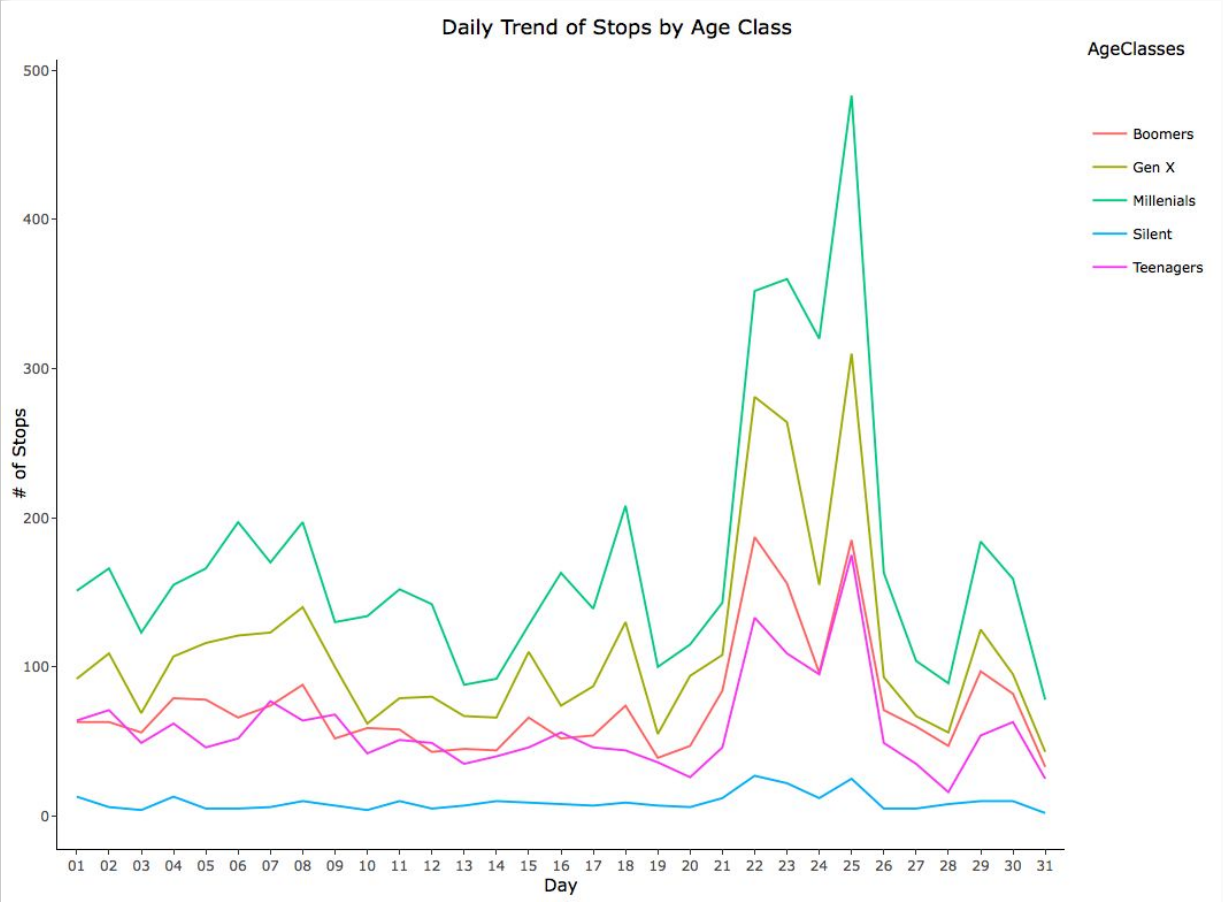
Monthly Trend of Traffic Stops by Age Class

- Overall teens seem to follow the trend displayed by all age classes excluding Silent which remained fairly flat throughout the year
- The primary take away from this graph is really the uptick in traffic stops ranging from February to May



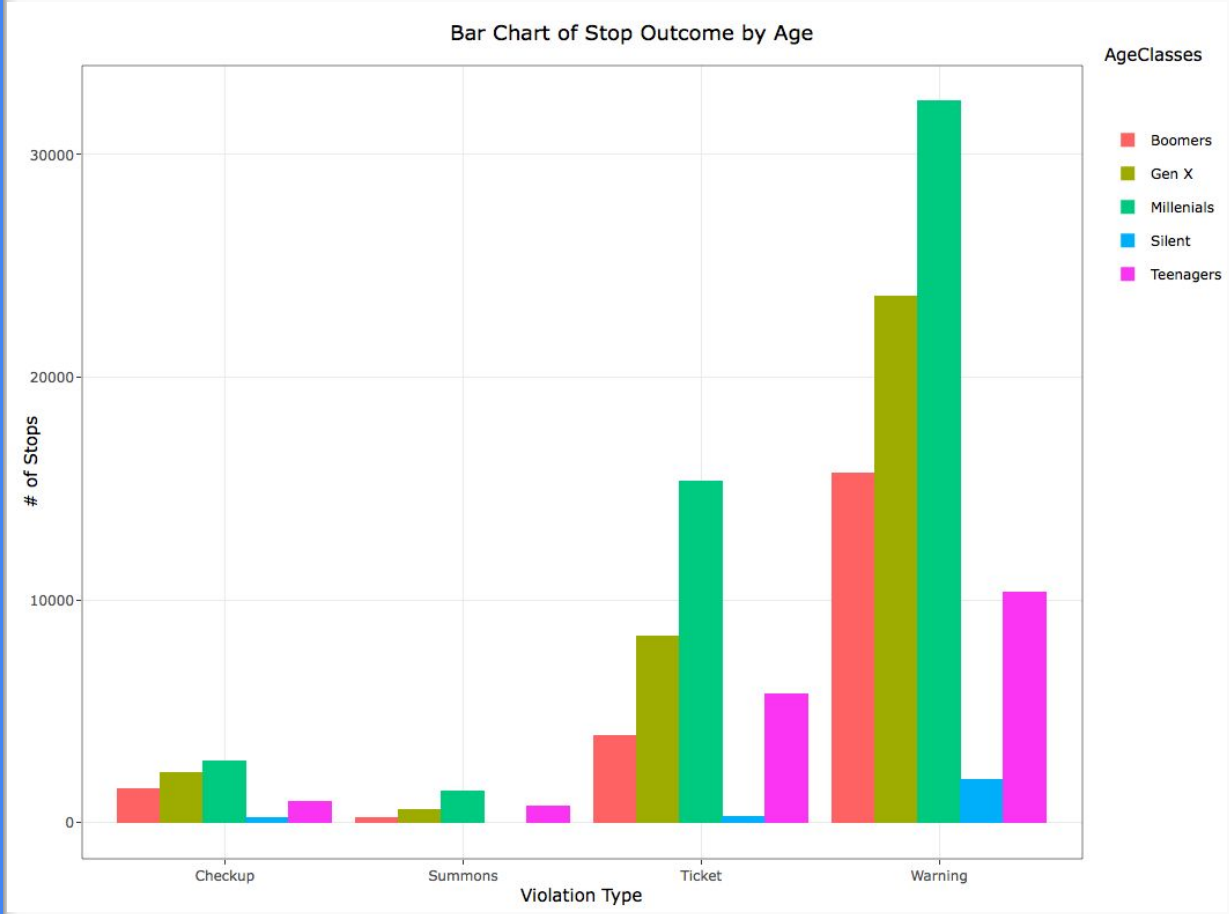
Daily Trend of Traffic Stops by Age Class for May

- Teens still seem to follow the overall trend of traffic stops throughout the month of May
- More specifically we see the spike toward the end of the month between the 21st - 26th



Teens vs. Other Age Groups: Stop Outcomes

- Expected to see teens receiving more warnings than the rest of the population
- Expected to see the rest of the population receive less warnings and more tickets than teens
- Millenials have the highest number of warnings and tickets

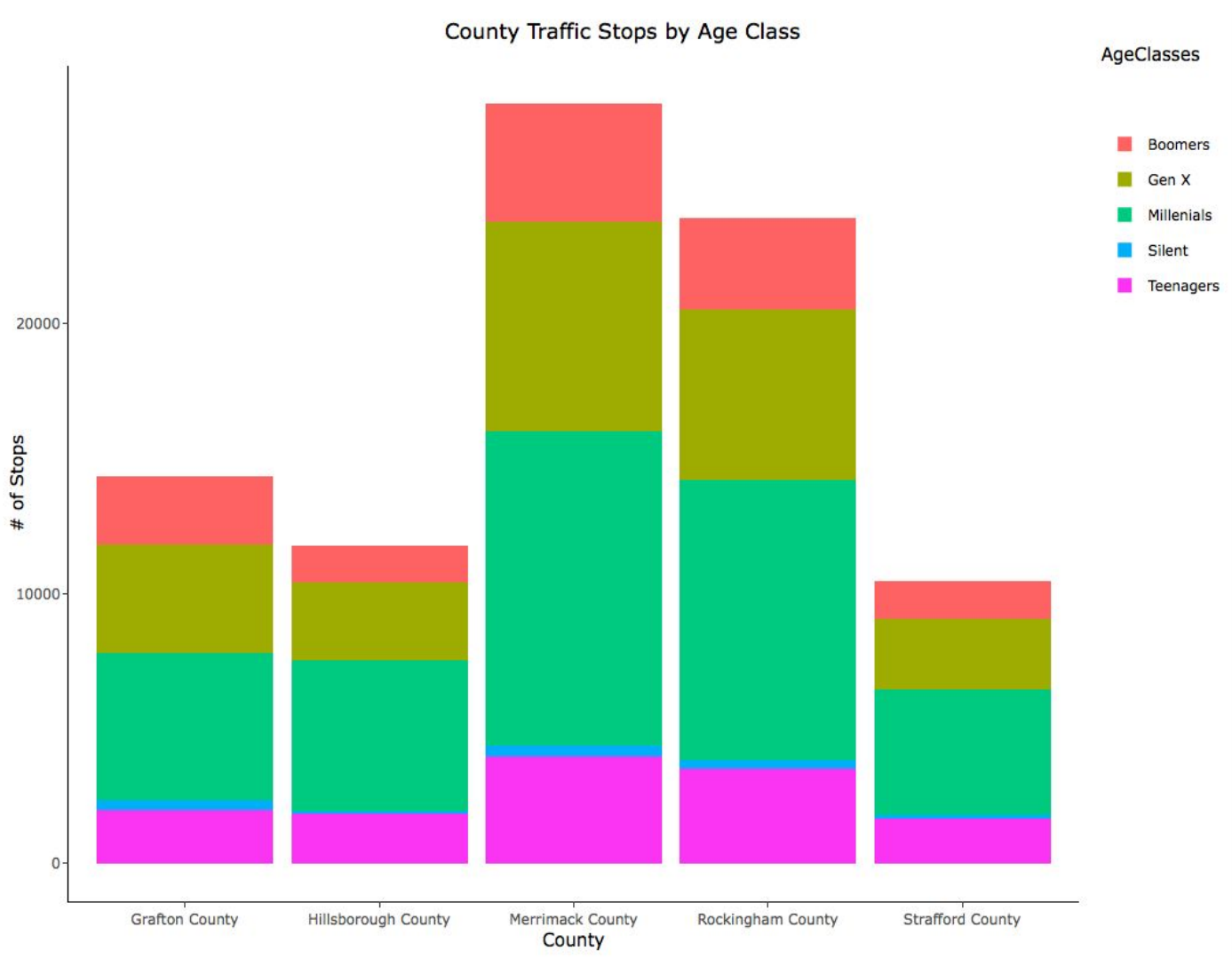


County & Teen and Adult

The overall data in this chart shows that:

1.Millennials, 2. is GenX, 3.Teenager and boomers close to each other, 5. silent is the least.

The top 5 place where people stopped is Merrimack, Rockingham, Grafton, Hillsborough, , Strafford.



Conclusion

- From our analysis, it does not seem that teenagers in New Hampshire are treated differently than other age groups
- Taking it further
  - Additional analysis could be done to find percentages and variances of age groups
  - Order the columns from “teens”-”Silent” and remain consistent throughout graphs
  - Compare to datasets from other states
    - Do other states have as much missing data for age?
    - Are trends the same for age groups in other states?