

Story Board Script

INFLUENZA AFFECTS

- From years 2009 – 2017 data has been collected about the affects of the Influenza virus.
- This data includes age of individuals affected, the states in which they live, and what months this data was collected.
- Brief overview of how Influenza affects each state starting at the earliest year we have data (2009)
- This map is interactive and explores which states are affected and their total population count.
- There is also density to further express the states most affected by influenza
- The questions we'll be focusing on are states hit the hardest, when influenza is most prevalent and what ages are most at risk.

INFLUENZA SEASON

- Throughout the years there has been a consistent trend of when influenza begins developing.
- We can dissect this line graph by age and individual year.
- This graph can tell you two things:
 - 1) What months Influenza starts progress.
 - Influenza is high in January and begins to fall around March and later that same year Influenza will begin to start around October/November into December.
 - 2) What ages are most vulnerable
 - Of the top 6 age ranges shown 75-85+ are most exposed.

MOST AT RISK

- The secondary line chart opens us to the individuals that are more prone to being exposed to the fatal effects of Influenza.
- There are such small deaths recorded for people <1 year – 34years that they usually don't populate on the chart.
- Over the 8 years data has been recorded the fatality report for people 75years - 85+ years are keeping steady trends.
- 85+ years olds have the most erratic trend.

INFLUENZA TREND

- Another visual to express that our 85+ year old population is more at risk.
- This also allows for a visualization of a trend line that predicts that deaths will continue to rise if we cannot get a step ahead of the Influenza virus.

STATES NEEDING SUPPORT

- In conclusion, the top 5 states that are affected are California, New York, Pennsylvania, Texas and Illinois.
 - 1) California
 - 2) New York
 - 3) Pennsylvania
 - 4) Texas
 - 5) Illinois
 - Throughout the year we know that Influenza is much higher Jan-Mar and Oct-Dec within a single year.
 - We can begin to develop protocols for hospitals and clinics in those states during these 6 months.
 - We can increase staffing to allow for quick and thorough care for individuals suffering from Influenza.
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DATA LIMITATIONS:

The data limitations that I found throughout the data were subtle. There were many “suppressed” data entries for deaths for many of the younger age groups. I believe this can definitely create some limitations on reporting accurately for the younger age groups.

In the Influenza Visits data set the information that was most important were the patient to staff ratio. However, it was difficult for me to use as it wasn't documented by time of year (month).

I might recommend that we monitor the impact of proper staffing by creating survey's for both the staff and clients to complete. For staffing we would be looking at their overall approval for staff support when dealing with the influenza cases. For clients we would be looking at their comparison to quick and adequate care from years prior to the current years we are supplying more staff.

Data Immersion

Exercise 2.9

Jordan Novelli

Tableau Link: [Story Board](#)

Vimeo Link: [Presentation of Story Board](#)