

Influenza Research Project Overview	Total Deaths caused by Influenza from 2009-...	Comparison between Total Population and ...	Positive Testrate for Influenza and Vulnera...	Forecast of Deaths caused by Influenza	Conclusion and Recommendation
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Preparation for the upcoming 2018 Influenza Season in the United States



Project Overview:

Motivation:

The United States had in the recent Years increasing death numbers influenza season where more people than usual suffer from the flu. Some people, particularly those in vulnerable populations, develop serious complications and end up in the hospital. Hospitals and clinics need additional staff to treat these extra patients.

Objective:

Determine when to send staff, and how many, to each state.

Scope:

The agency covers all hospitals in each of the fifty states of the United States, and the project will plan for the upcoming influenza season.

General Information:

Research Hypothesis

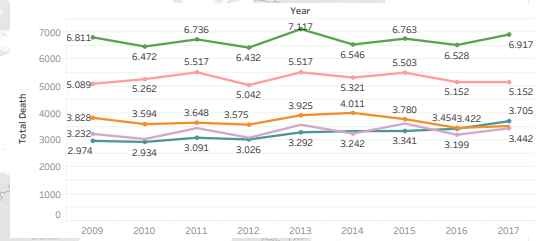
If People of the Vulnerable Age Groups get infected [i.e., Kids below 14 and People above 64 as well as People with severe Sickness] it is more likely they will be at Risk for Death caused by the Flu. Taking this into account additional Care can be adjusted to the Population where most people are living. Adjusting staffing according to the Regions where most Vulnerable Age Groups are living will have a positive Impact on this.

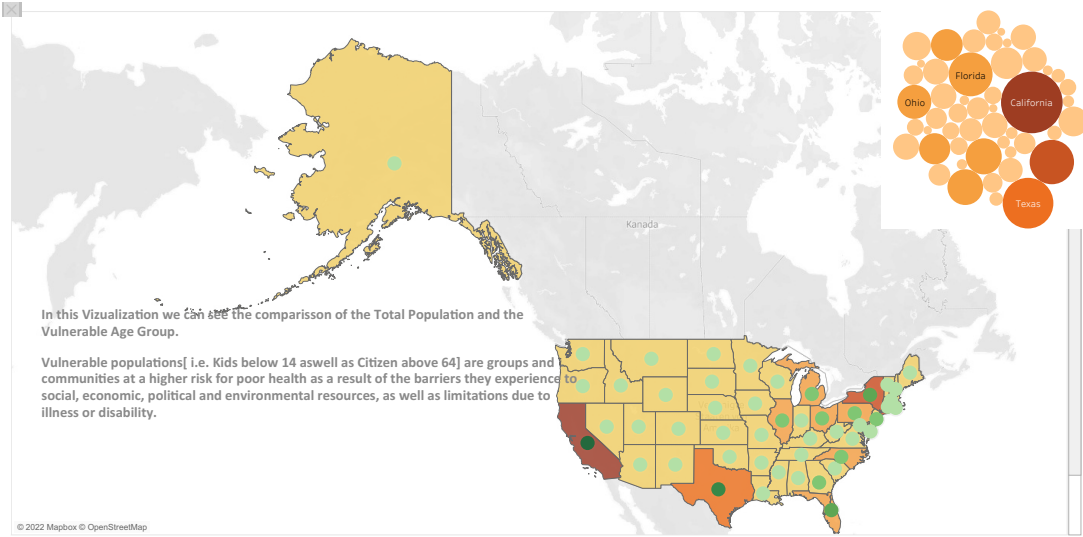
As you can see in this first Overview, we have analysed the Data from 2009-2017 and have been able to identify that there are some states with a particularly high number of Death caused by the Flu.

The Question is, what can we do about this ?

Total Death in each States from 2009-2017
11.880 60.322
States in Dropdownlist
Alle

Top 5 States with the highest Deaths caused by Influenza

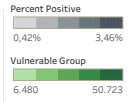
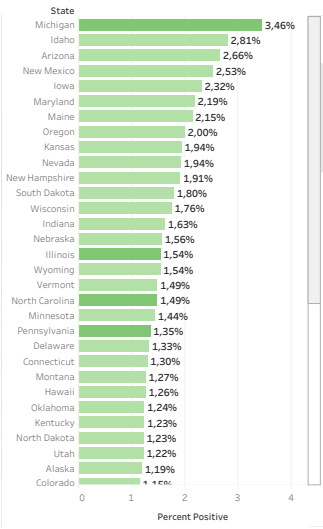


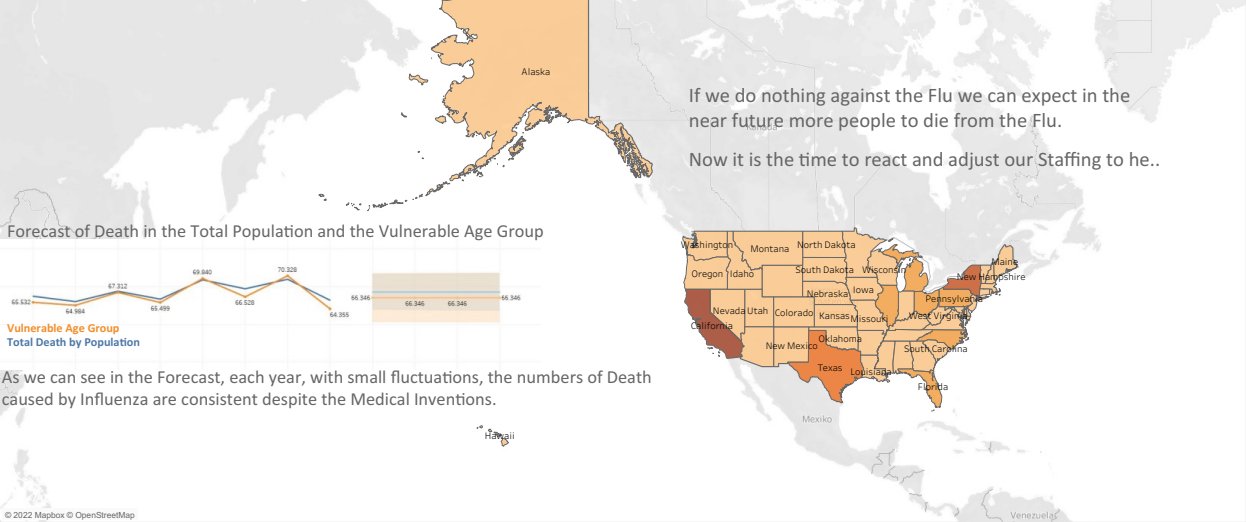


Vulnerable Group
6.480 50.723

Total population
5.465.761 339M

Total population
Alle Werte





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Conclusion:

We have identified the following States which are the most affected by the Flu and should receive more staffing in order to decrease the Death-Rate caused by the Flu.

- California
- New York
- Texas
- Pennsylvania
- Florida..



Preparation for the 2018 Influenza Season

Recommendation

In order to tackle the Deathrate and lower it down we should send additional Medical Personal to the Top Affected States we have identified in our Analysis.

This will help the Overall Deathrate to be lowered but expecially also the Vulnerable Age Group.

With this in effect , ongoing Surveys to adress Changes in Workload, we can expect lower Deathrate overall.

Increasing the Budget spent on Marketing for Vaccinations, this will help aswell for more people getting Vaccinated and lowering the Deathrate as a Result.