COVID 19 State of Texas Interactive Dashboard

TEXAS
Health and Human Services

Team Members Page

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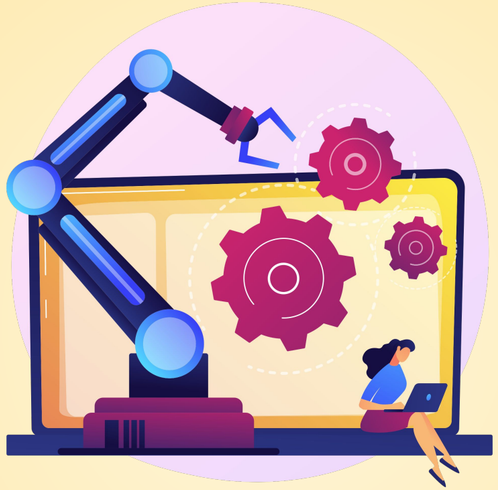
Project Overview

The objective of this project is to analyze the trends of COVID 19 infections to predict a spike in infection rates, and inform the general public in the 254 counties in the state of Texas.



We attempted to create a tool that will show how the trends are behaving in their specific counties, giving the user the ability to create informed decisions about when and where to get a vaccine.

The user will be able to use the map to locate vaccination sites near them as a preventive measure.

Timeline Page

The largest peak in hospitalizations occurred in December 2020 and January 2021, aligning with the largest peak in reported case rates .

The federal COVID-19 PHE declaration ended on May 11, 2023. Most tools, like vaccines, treatments, and testing, will remain available. CDC's ability to collect and share certain data will change. CDC is updating its guidance to align with data changes.

Though initially discovered in Wuhan, China, in late 2019, COVID-19 entered the conversation in the U.S. in January 2020, when the Centers for Disease Control and Prevention (CDC) alerted the nation of the outbreak abroad.

State of Texas All Time Numbers

Cases: 8,508204
Fatalities: 92,378
Vaccinated: 22, 322,586
(at least one doce)
Fully vaccinated: 18,406,327

Procedure

Completed:

- SQL (Postgresql)
- CSV data files
- Index.html

In process:

- app.py
- app.js

Data Sources

Historical Texas COVID-19 Data

https://www.dshs.texas.gov/covid-19-coronavirus-disease-2019/texas-covid-19-data

Current COVID-19 data

https://www.dshs.texas.gov/covid-19-coronavirus-disease/texas-covid-19-surveillance

State of Texas COVID 19 Data Visualization

Use the interactive charts below to explore the dataset

Year

2021

County

Bexar

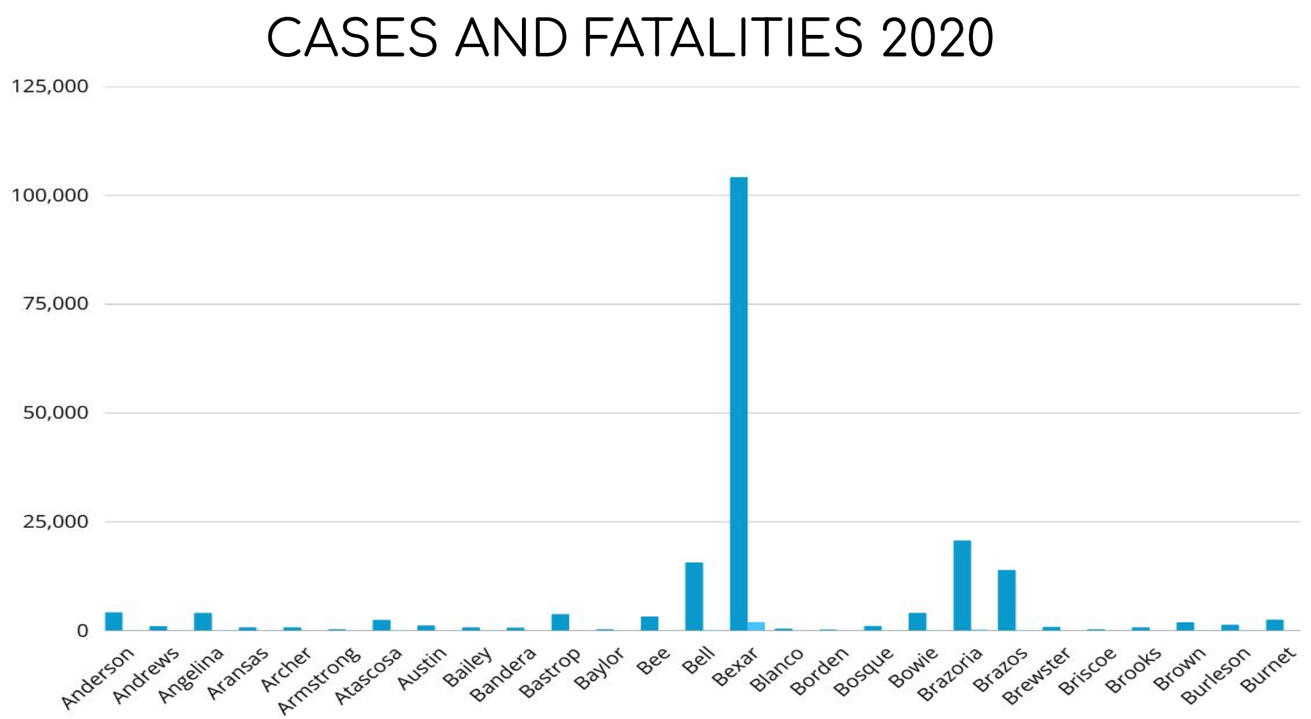
Summary Table

Cases

104,159

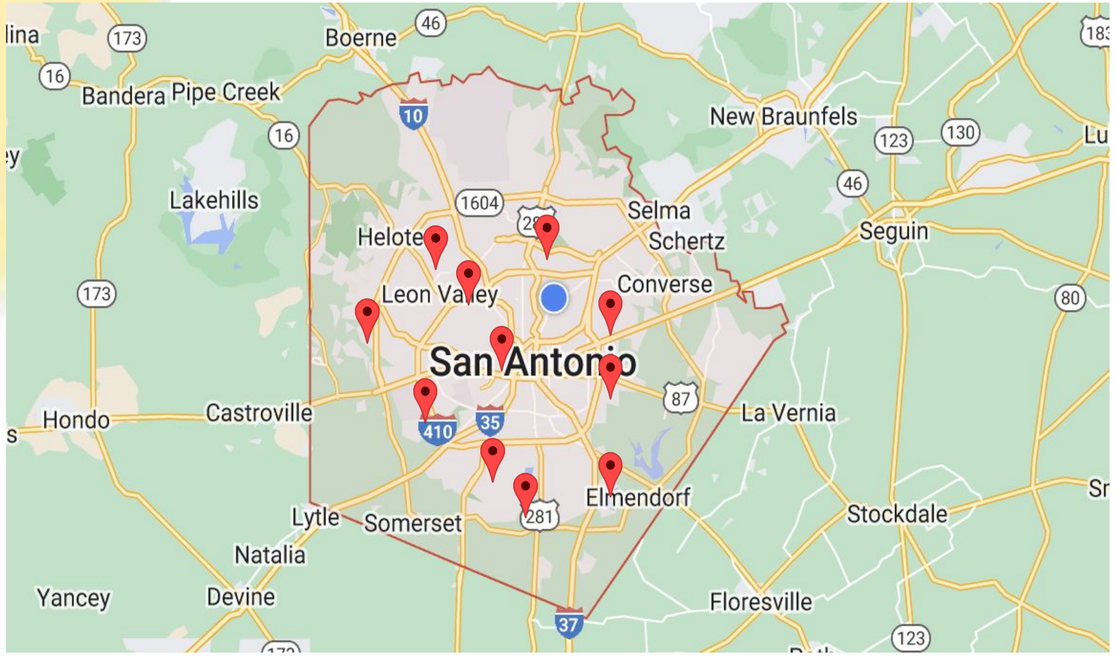
Fatalities

1,980



VACCINATION SITES

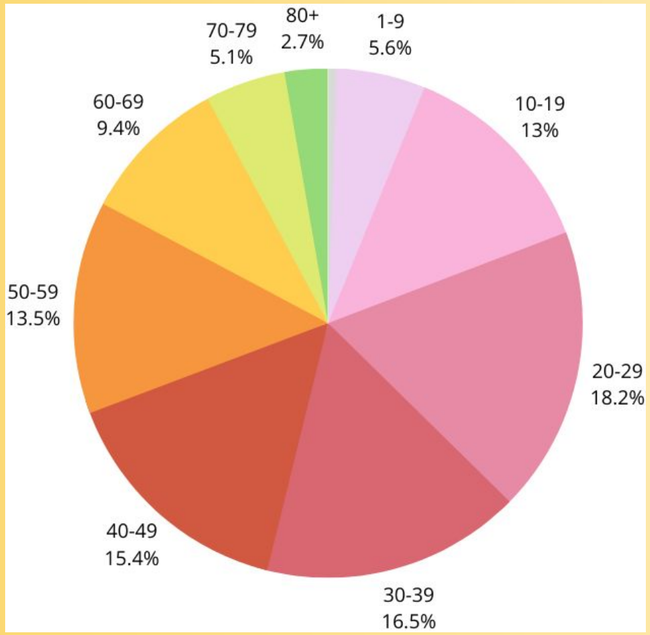
Users will be able to pick their country from the drop down menu and choose their county to locate vaccination sites near them.



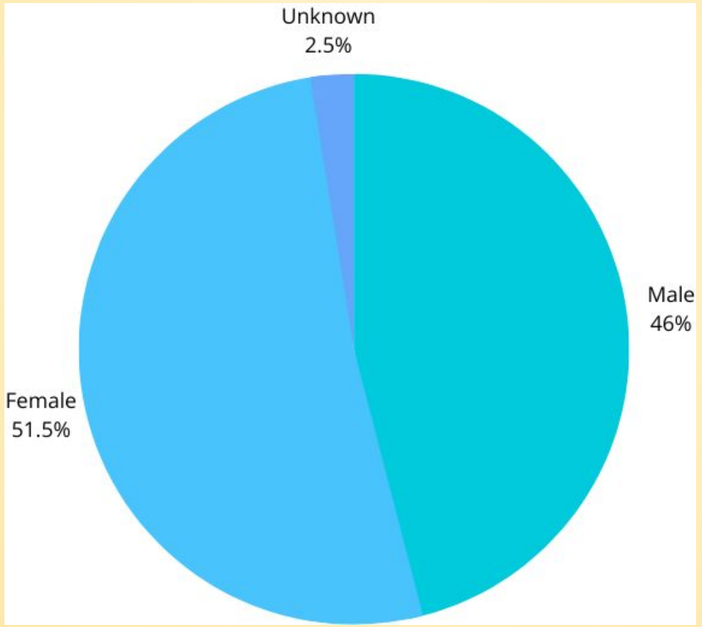
Year

2021

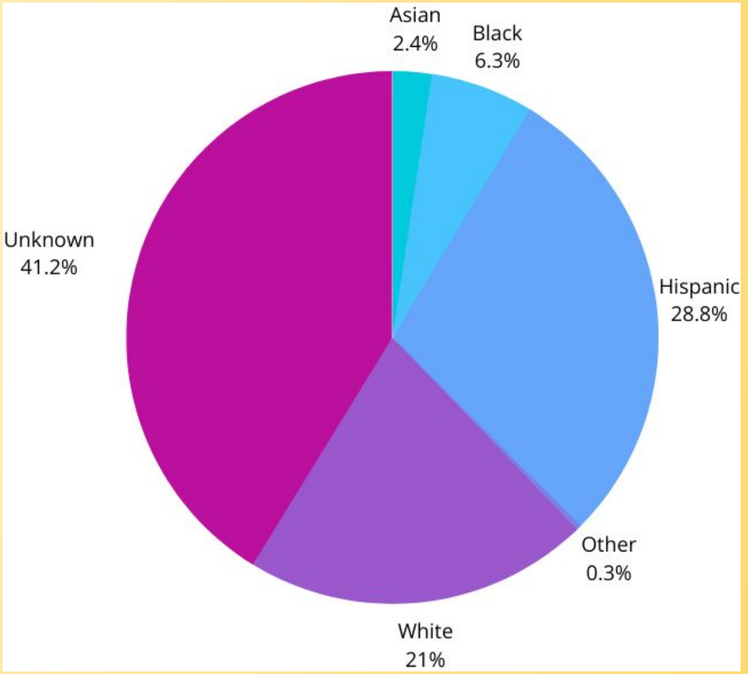
STATE WIDE CONFIRMED CASES BY DEMOGRAPHICS



Confirmed cases by age



Confirmed cases by gender

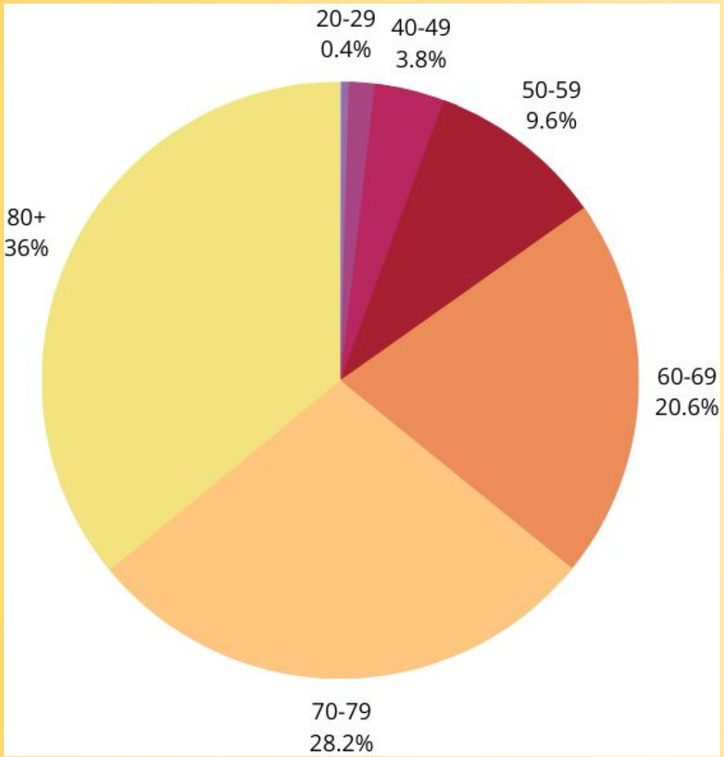


Confirmed cases by race

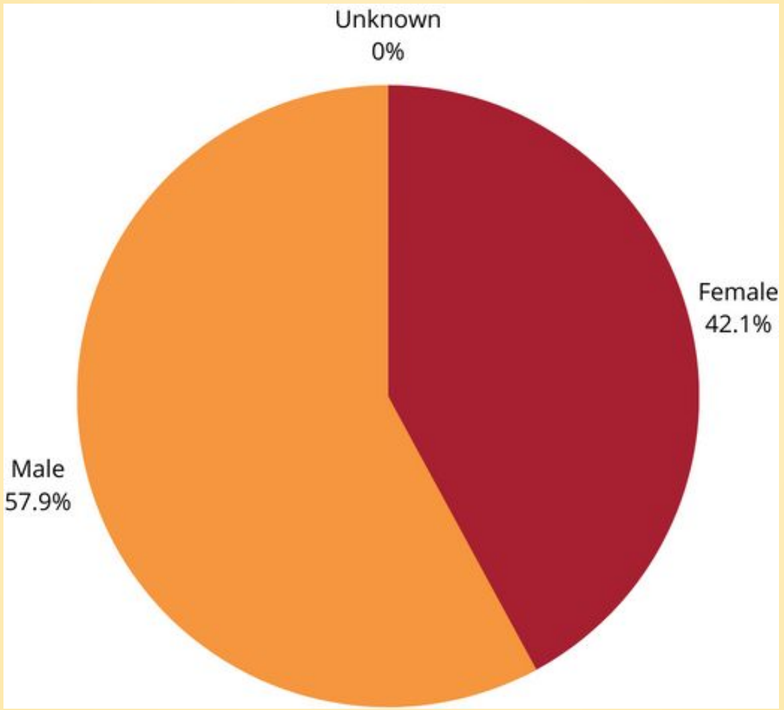
Year

2021

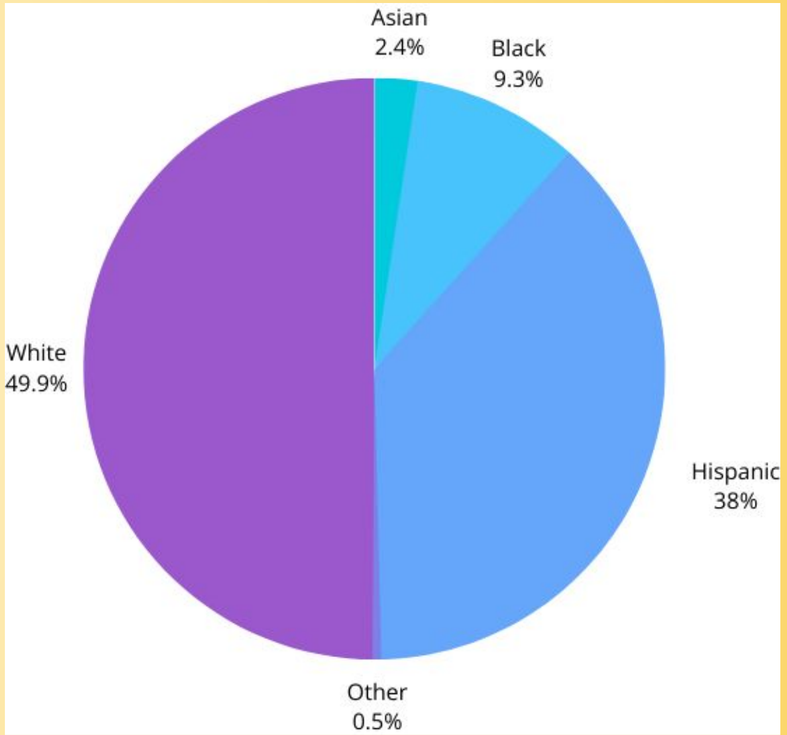
STATE WIDE CONFIRMED CASES BY DEMOGRAPHICS



Fatalities by age



Fatalities by gender



Fatalities by race

CONCLUSION:

Our team sought to create an interactive tool with real world applications for people in Texas who would like to stay informed of the COVID 19 spread in their specific area. With the use of this tool, users could look for spike in cases and search for a pharmacy within their county that offers the COVID 19 vaccine.

The interactive tool was built from data from the Texas health and human databases between 2020 and 2023 and attempted to highlight the trend in cases and the distribution of vaccines in Texas. These two variables shed light on the fatality rate and how the introduction of the vaccine allowed for a decrease in fatalities and confirmed cases.

FUTURE WORK:

We are committed to continue working on the final details of the interactive tool.