

Demo:

# Website Data Hub for Public Health Data

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# Goals

1. Create a website to host public health data
- ~~2. Provide visualizations of the data on the website~~
  - ~~a. Maps~~
  - ~~b. Graphs~~
  - ~~c. Interactive Graphs (stretch goal)~~
3. Provide users with ability to download the hosted data to their local machines
4. Exercise a commitment to providing an effective and meaningful user experience, encouraging reuse

## Motivation Recap

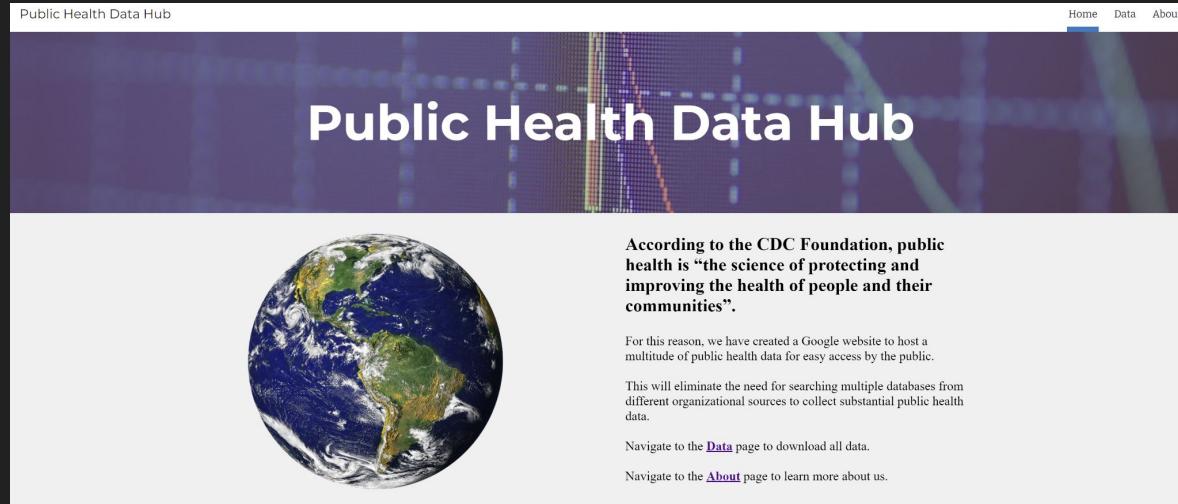
Generation of a user-friendly hub that gathers useful public health data in one place

→ Takes out the need for users to search multiple data sources for public health topics

This project is designed to provide a means of bridging hard, scientific information and public understanding, with the former presented in a means that is **socially relevant** and **easily interpretable** to inexperienced users, thus bolstering its approachability and overall engagement.

# Approach

- HTML
- Inline CSS
- Domain through Google Sites, embed all content.



# Methods

## Embed from the web

```
<h3 style="font-size:28px">According to the CDC Foundation,  
public health is "the science of protecting and improving the  
health of people and their communities".</h3>  
<p style="font-size:20px">For this reason, we have created a  
Google website to host a multitude of public health data for  
easy access by the public.<br><br> This will eliminate the  
need for searching multiple databases from different
```

Paste the HTML code from the site you want to embed.

Cancel

Next

Insert

Pages

Themes



Text box



Images



Embed



Drive

# Data

Center For Disease Control (CDC)

World Health Organization (WHO)

U.S. Census Bureau

Environmental Protection Agency (EPA)

CDC

Cumulative Influenza  
Coverage by Race  
Ethnicity and Age Group

Leading Causes of  
Death in United States

Rates and Trends in  
Hypertension-related  
Cardiovascular Disease  
Mortality (2000-2019)

Rates and Trends in  
Heart Disease and  
Stroke Mortality  
(2000-2019)

EPA

Bryan Air Quality Index  
Values (2022)

Air Quality Indices for  
College Station

WHO

USA Alcohol Consumption  
Per Capita (2000-2009)

USA Ambient Air Pollution  
Deaths

USA Noncommunicable  
disease and Mental Health

USA Mortality

USA % Spent on Healthcare

USA Overweight %

USA Vaccine Coverage

USA Cholera Counts by  
Year

Census Bureau

Health Disability  
Characteristics by State

State Population  
Change (2010-2019)

Fertility by State

Health Insurance  
Coverage by State

# Results

***Complete Public Health Data Hub Demo!***

***<https://sites.google.com/tamu.edu/tamu-public-health-datahub/home>***



# Discussion and Conclusion

1. Create a website to host public health data
- ~~2. Provide visualizations of the data on the website~~
  - ~~a. Maps~~
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  - ~~c. Interactive Graphs (stretch goal)~~
3. Provide users with ability to download the hosted data to their local machines
4. Exercise a commitment to providing an effective and meaningful user experience, encouraging reuse

**= overall went very well!**

Public Health Data Hub Created for Texas A&M University Members