U.S. Chronic Disease Mortality Trend Map

BMI 706 Project

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WHAT DATA, AND WHY?

- A publicly available dataset of the U.S. Chronic Disease Indicators (CDI), sourced from the Division of Population Health at the Centers for Disease Control and Prevention (CDC).
- Shows the **geographical** distributions and **temporal** trends of the population affected by **chronic diseases**, as well as the potential contributions of **relevant risk or preventative factors**.
- We choosed 9 types of disease and 4
 risk/preventative factors to include in our
 visualization.

Age-adjusted Mortality Rates of:

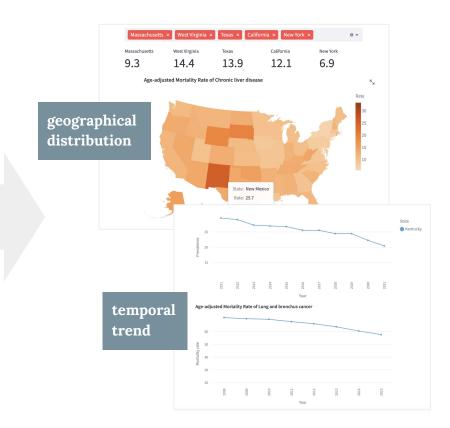
- ➤ Asthma
- Oral cavity and pharynx cancer
- Lung and bronchus cancer
- Female cervix cancer
- > Melanoma
- ➤ End-stage renal disease
- ➤ Stroke
- Coronary heart disease
- > Chronic liver disease

Prevalence of:

- ➤ Obesity
- Smoking
- Healthy weight
- > Per capita alcohol consumption

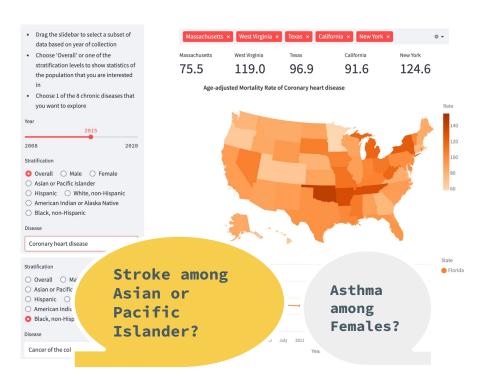
WHY DOING VISUALIZATION?

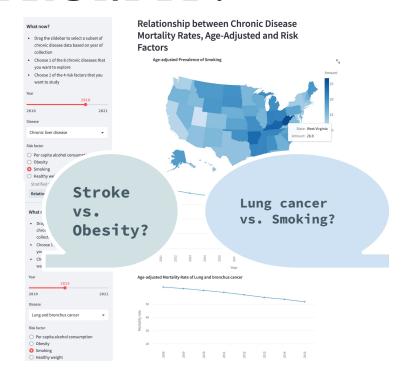




WHAT TO EXPECT FROM IT?

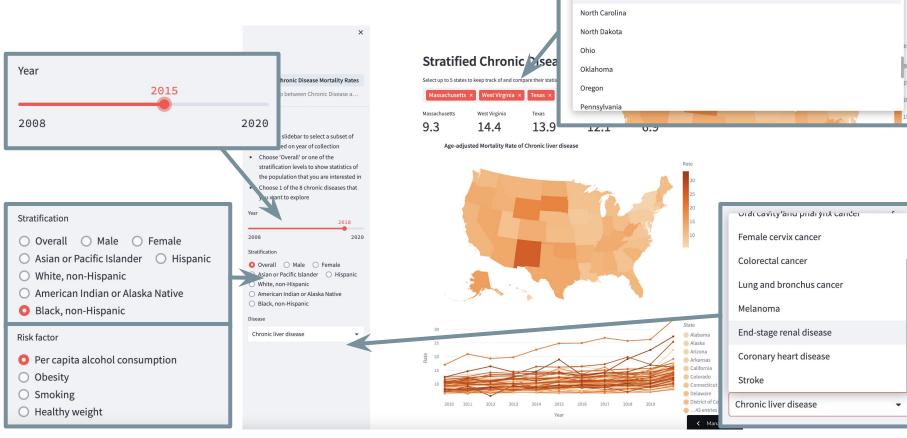
Interface I - Stratified Chronic Disease Mortality Rates





Interface II - Relationship between Chronic Disease Mortality Rates, Age-Adjusted and Risk Factors

FINAL DESIGN



Select up to 5 states to keep track of and compare their statistics

West Virginia ×

0 -

Massachusetts ×

New York

LET'S EXPLORE!

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j64.streamlit.app/