How to Increase Vaccine Adoption in Your City

From the VaccAmerica Data Team

Meet The Team

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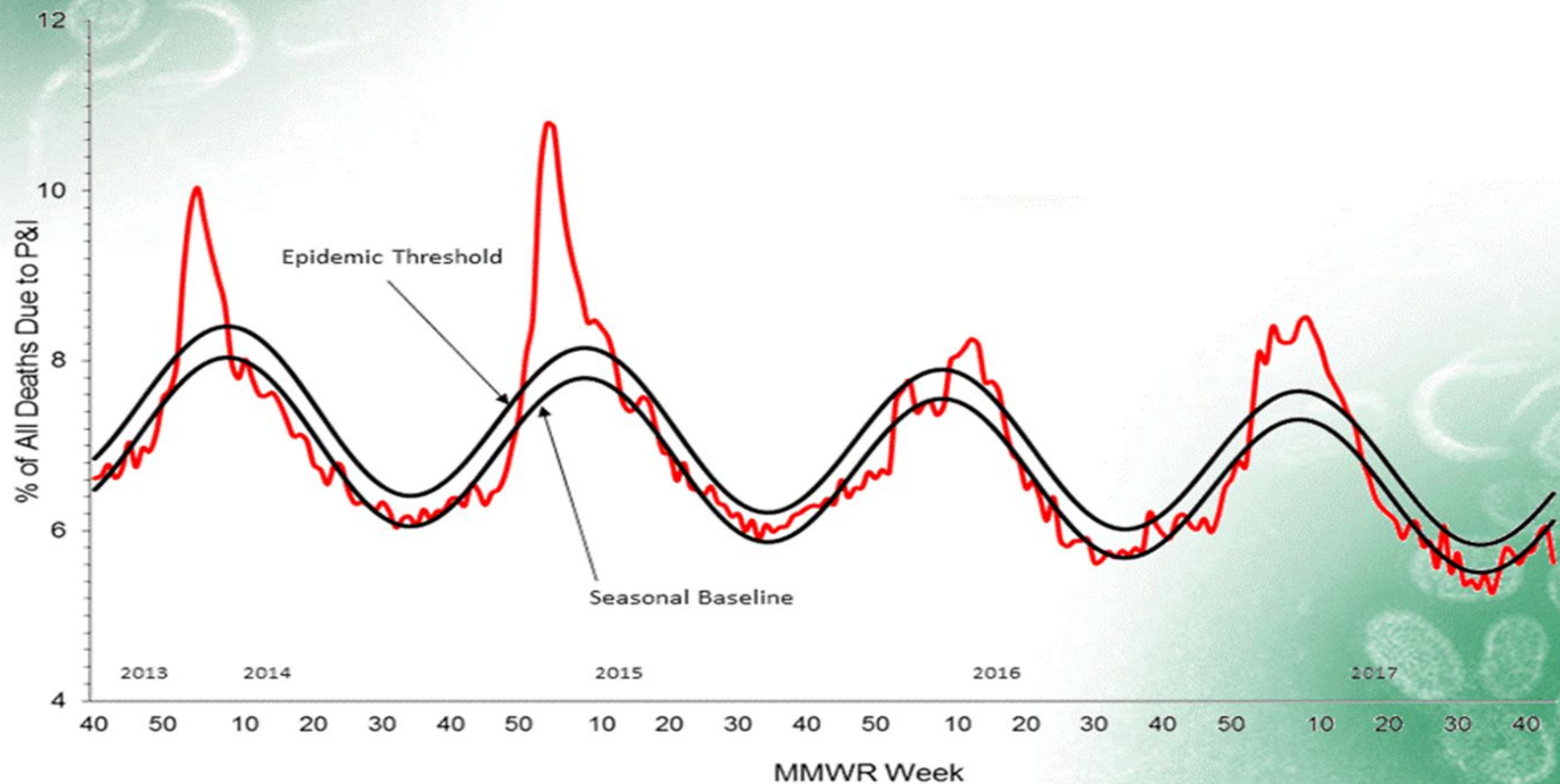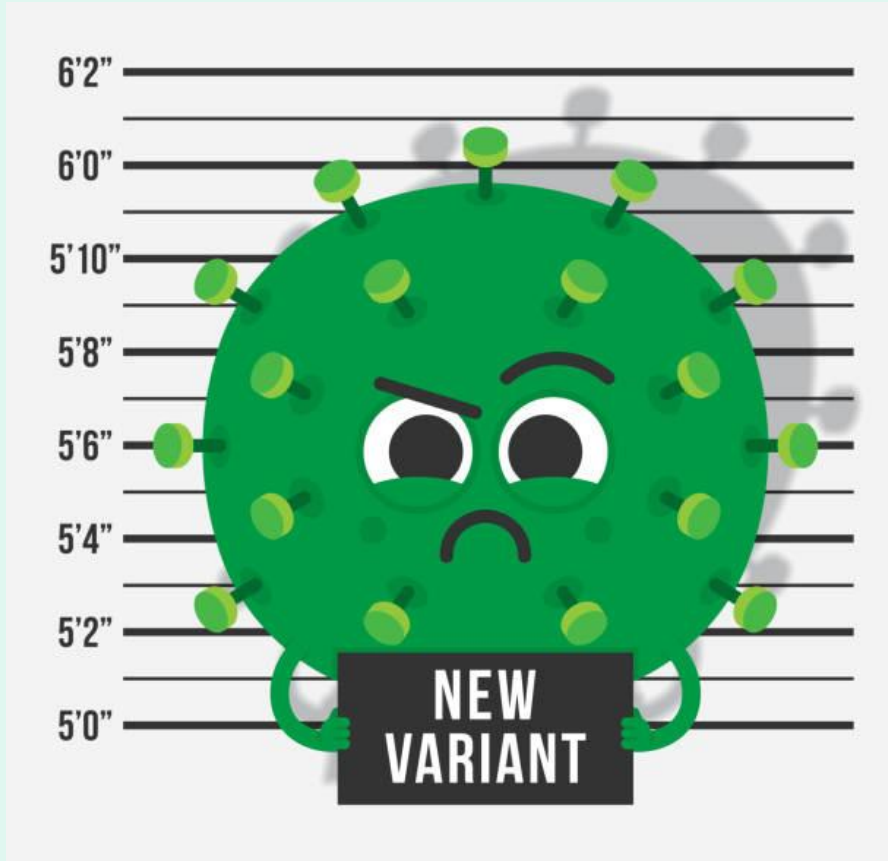
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Business Problem

Pneumonia and Influenza Mortality from the National Center for Health Statistics Mortality Surveillance System

Data through the week ending November 4, 2017, as of November 22, 2017
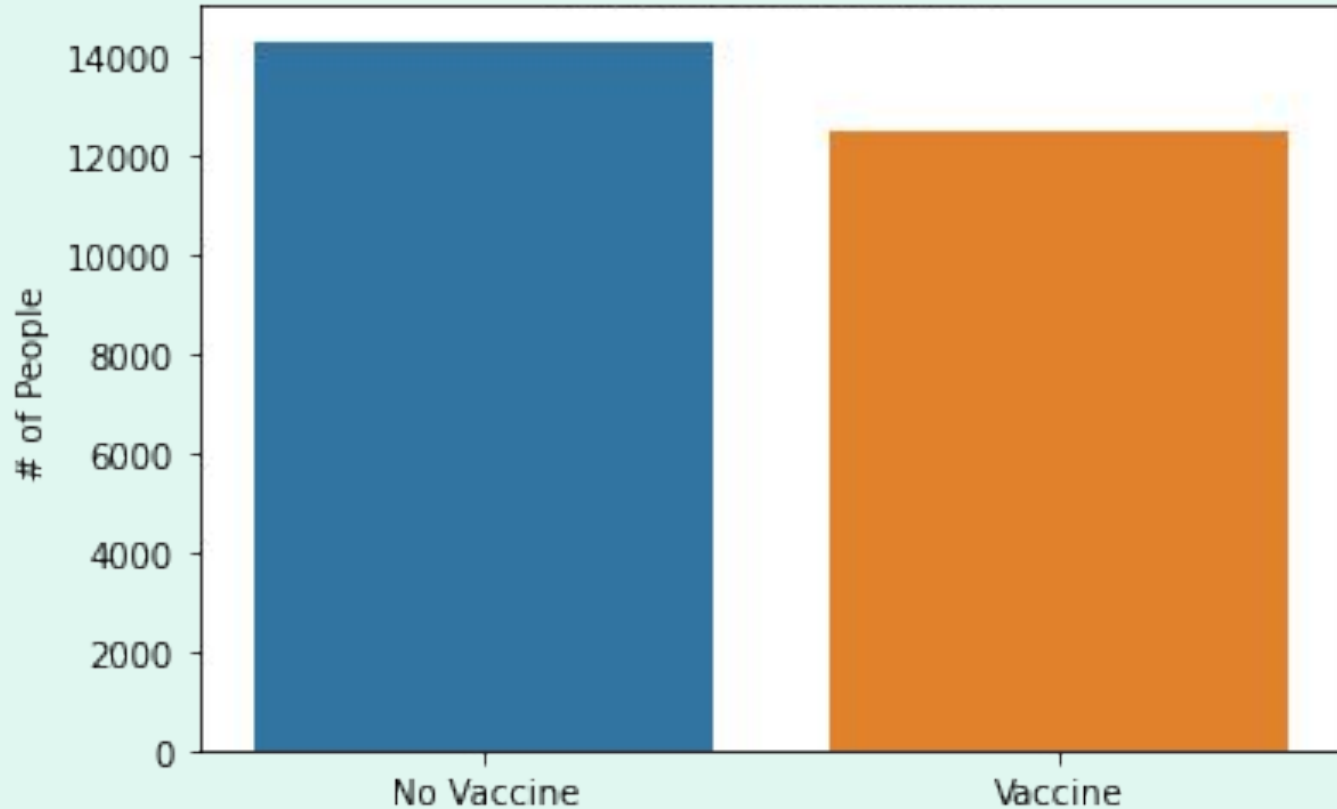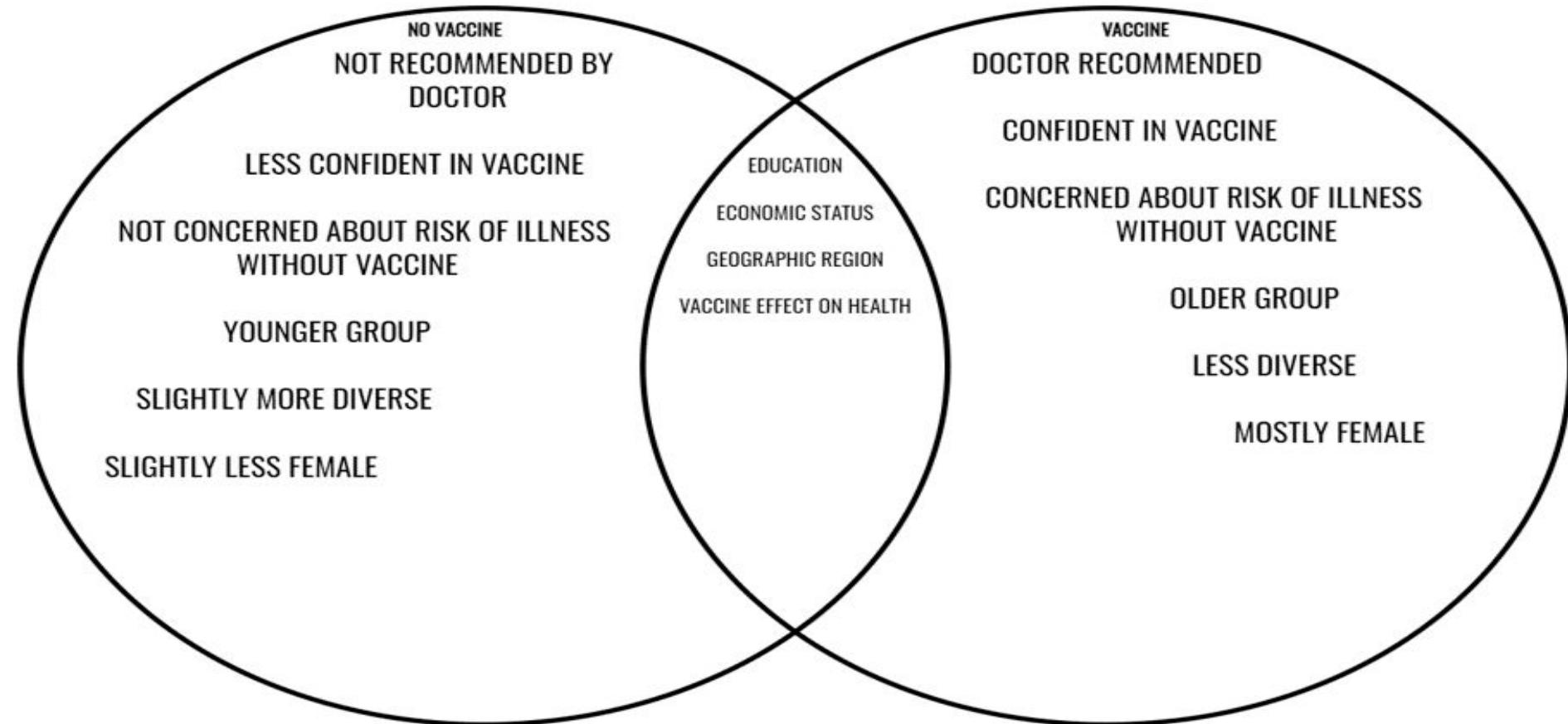
Why Flu vaccine is important

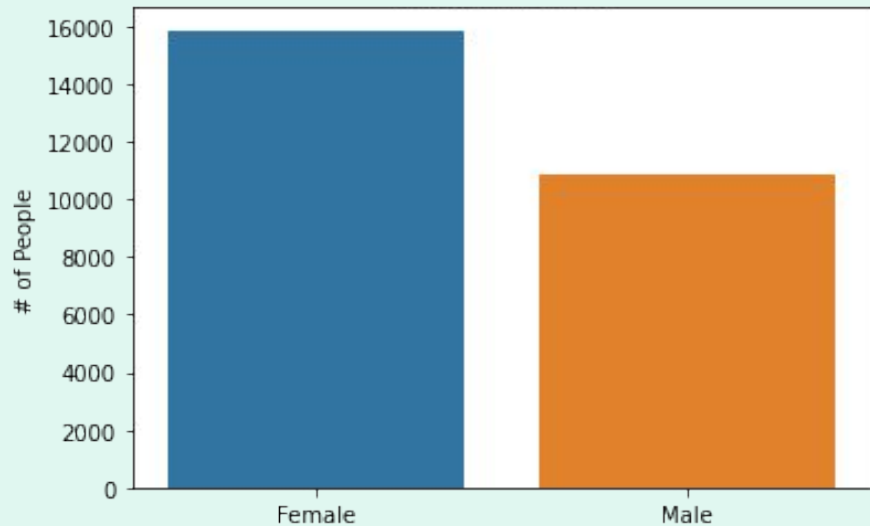# 02

Overview of the Data

Feverish Need

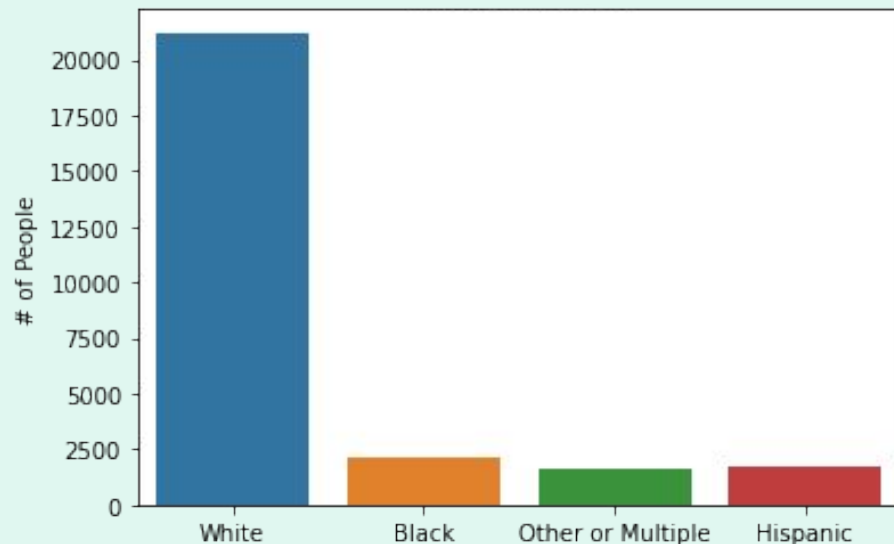Seasonal Flu Vaccine

Vaccination Trends

NO VACCINE

NOT RECOMMENDED BY DOCTOR

LESS CONFIDENT IN VACCINE

NOT CONCERNED ABOUT RISK OF ILLNESS WITHOUT VACCINE

YOUNGER GROUP

SLIGHTLY MORE DIVERSE

SLIGHTLY LESS FEMALE

EDUCATION

ECONOMIC STATUS

GEOGRAPHIC REGION

VACCINE EFFECT ON HEALTH

VACCINE

DOCTOR RECOMMENDED

CONFIDENT IN VACCINE

CONCERNED ABOUT RISK OF ILLNESS WITHOUT VACCINE

OLDER GROUP

LESS DIVERSE

MOSTLY FEMALE

Imbalanced Demographics

Sex Surveyed

03

Methods

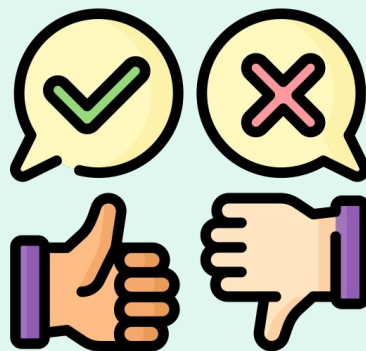# Methods

Data Features

Models

Metrics

04

Results Analysis

Important Features

- Was vaccine recommended by a doctor?
- Is vaccine effective?
- Getting flu without vaccine
- Will vaccine make them sick?
- Age groups
- Health workers

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Recommendations and Future Analysis
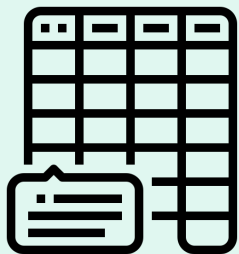
Recommendations

Inform opinions

Get doctor recommendations

Target younger demographic

Future Analysis

Doctor visit frequency

Race in relation to Geography

Impact of Religion

Thank you for your time!