Predicting Vaccinations

MAYO CLINIC
HEALTH SYSTEM

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On behalf of
SuperStats Data

SSD

AGENDA

- Business Question
- The Data
- Current Vaccine Rates
- Model Performance
- Patient Predictors
- Recommendations
- Next Steps

BUSINESS QUESTION

Our Mission

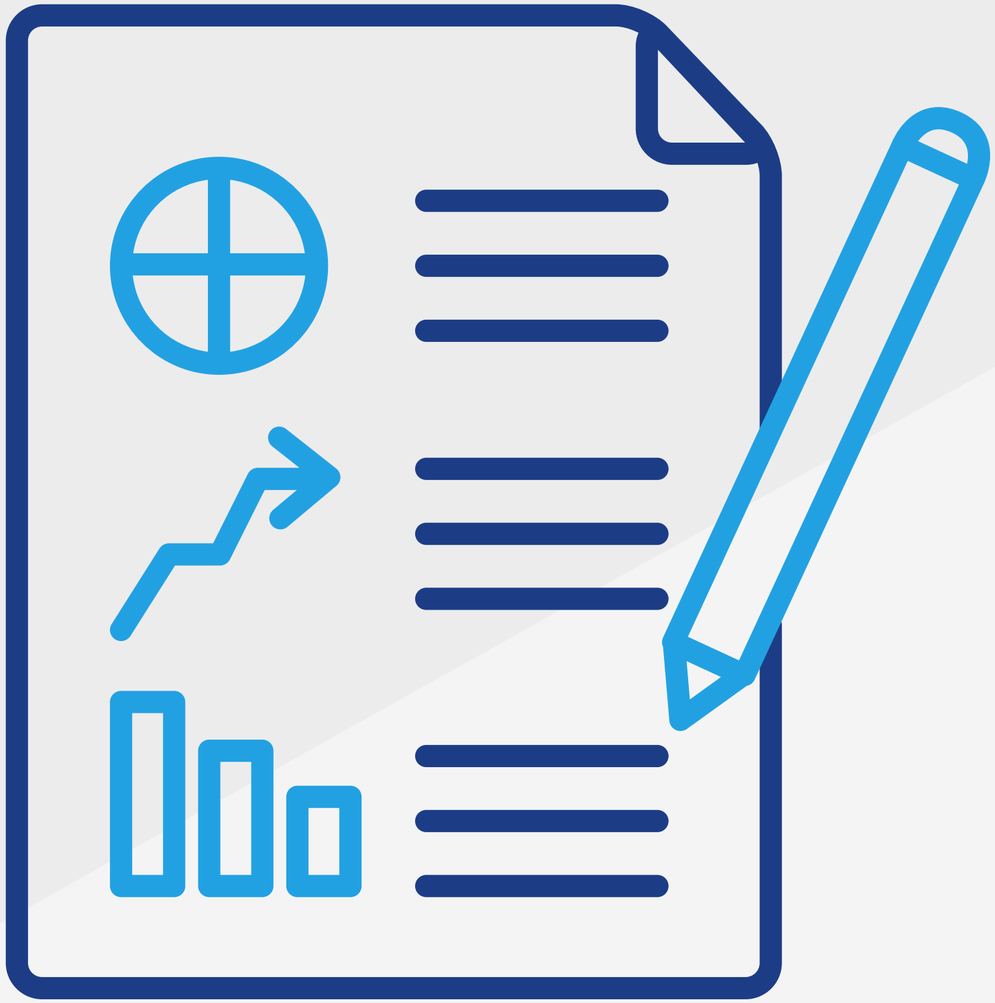
To Accurately Predict who is most likely to get Vaccinated.

Predictors

What predicts whether a patient will get Vaccinnated?

Reccomendation

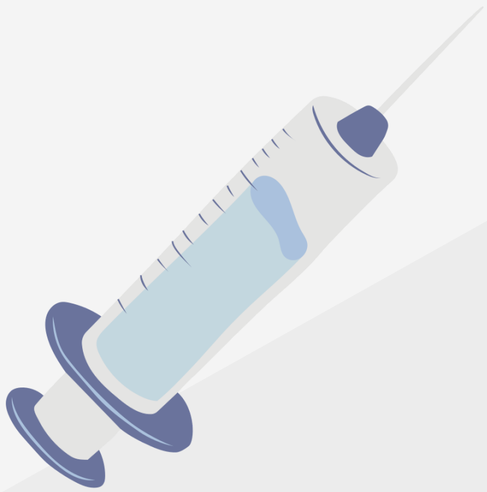
How can we get more people Vaccinated?

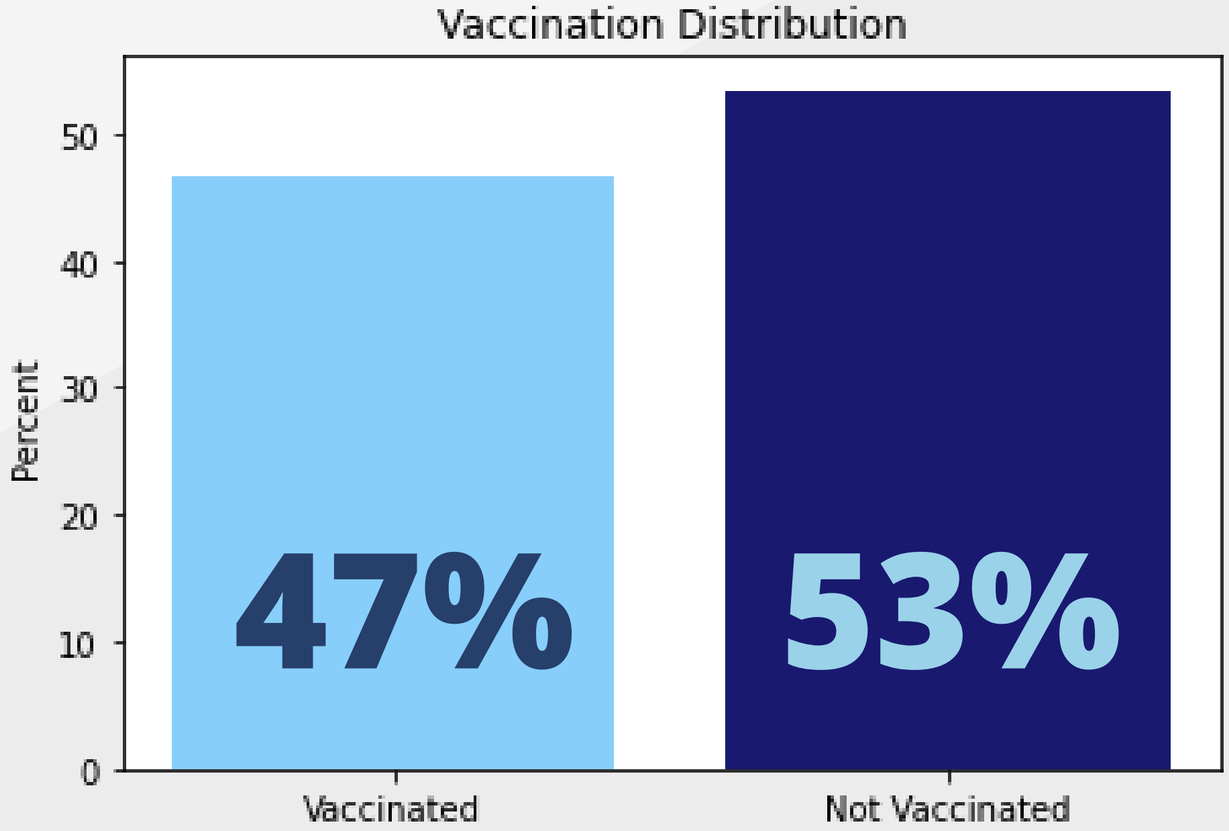


THE DATA

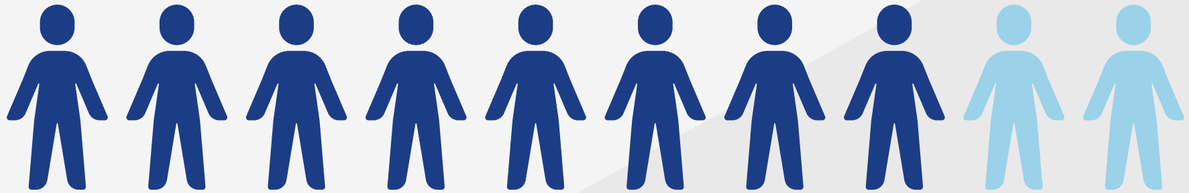
- **Provided by the CDC**
- **Collected via telephone survey**

CURRENT VACCINE RATES

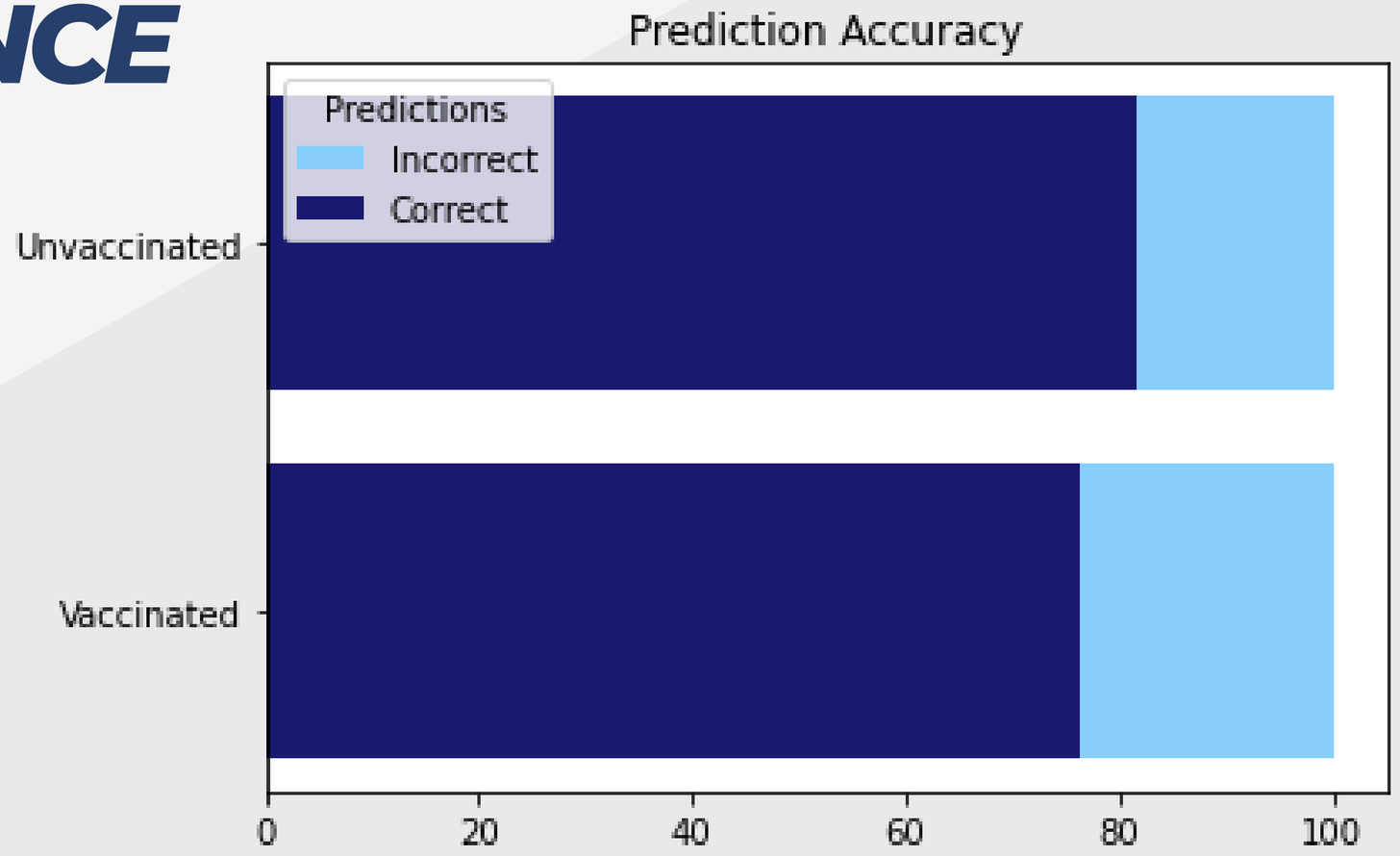




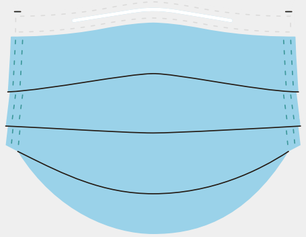
MODEL PERFORMANCE

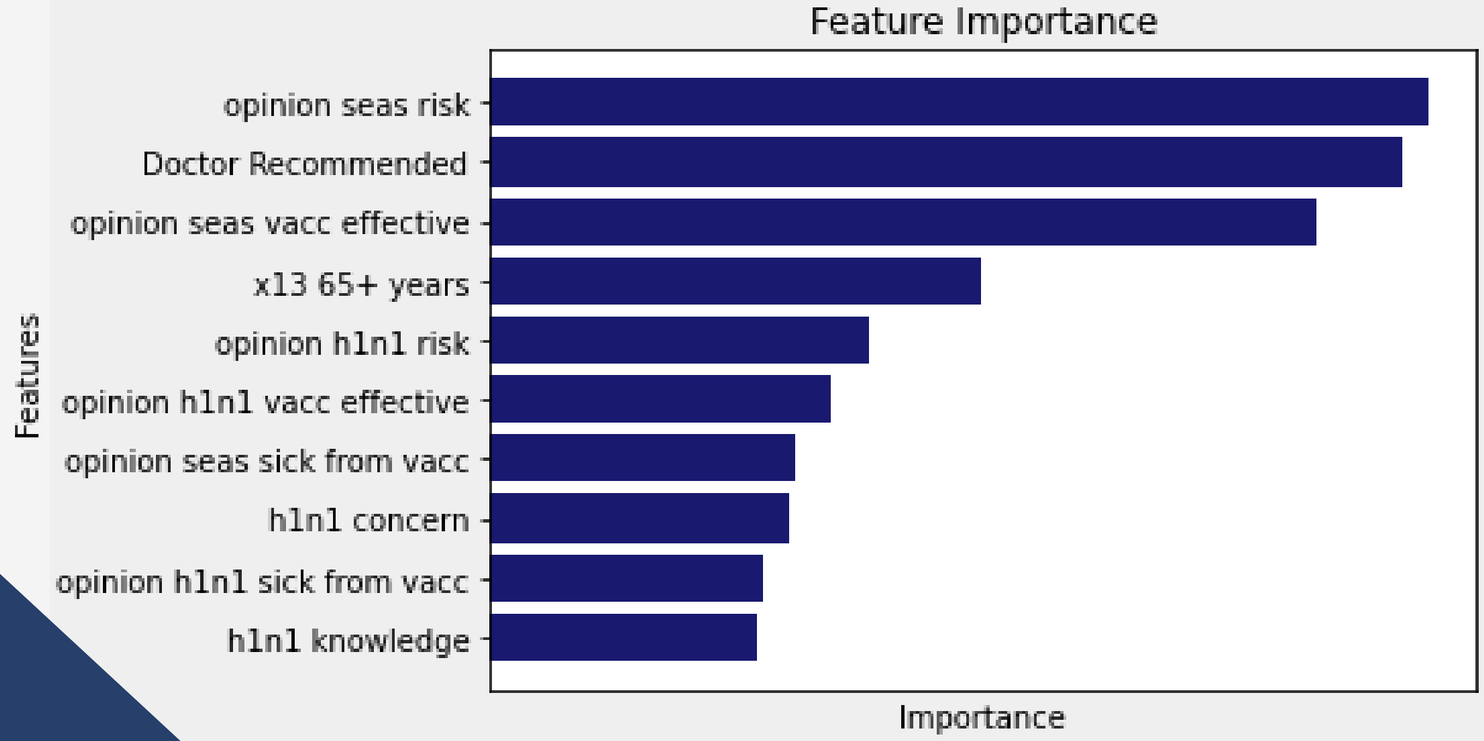


- **79% Accurate**



PATIENT PREDICTORS





- **Flu Risk**
- **Doctor Recommended**
- **Vaccine Effectiveness**

NEXT STEPS

- **Collect more and new data**
- **Further Calibrate Models**
- **Predict COVID-19 Vaccinations**

THANK YOU

We look forward to working with you again in the future!

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