RECEIVING THE FLU VACCINE

MAXIMIZING VACCINE UPTAKE THROUGH CLASSIFICATION

MEET THE TEAM

PAUL JUSTAFORT



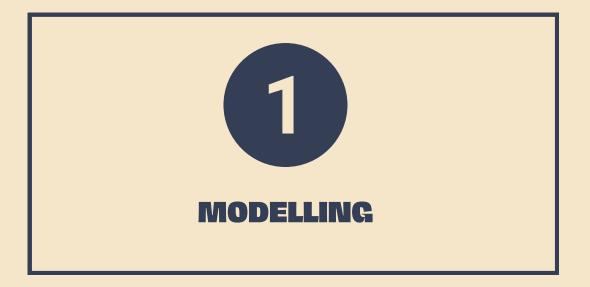


AUNG SI





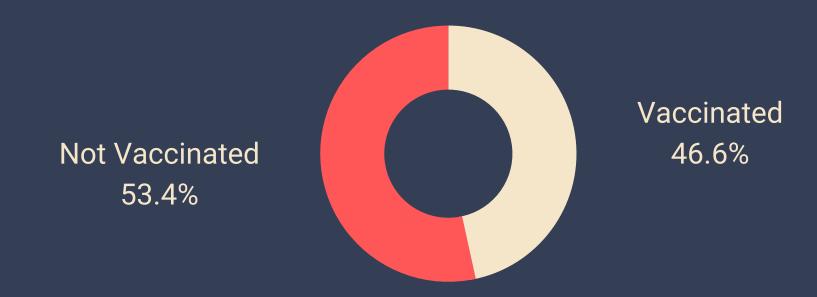
OVERVIEW







BUSINESS PROBLEM



WHAT MEASURES CAN WE TAKE TO ENHANCE AND MAXIMIZE VACCINE UPTAKE?

DATAUNDERSTANDING

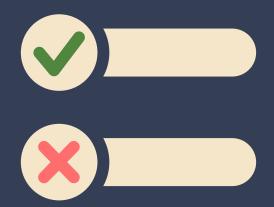
National 2009 H1N1 Flu Survey (NHFS) data from the 2009-10 flu season

ABOUT THE DATA

26707 ENTRIES

35 SURVEY QUESTIONS

BEHAVIORAL, OPINION, DEMOGRAPHIC



OUR PREDICTIVE NORTH STAR: RECALL

MINIMIZING FALSE NEGATIVES

Number of individuals the model predicts will not receive the vaccine, but actually did.

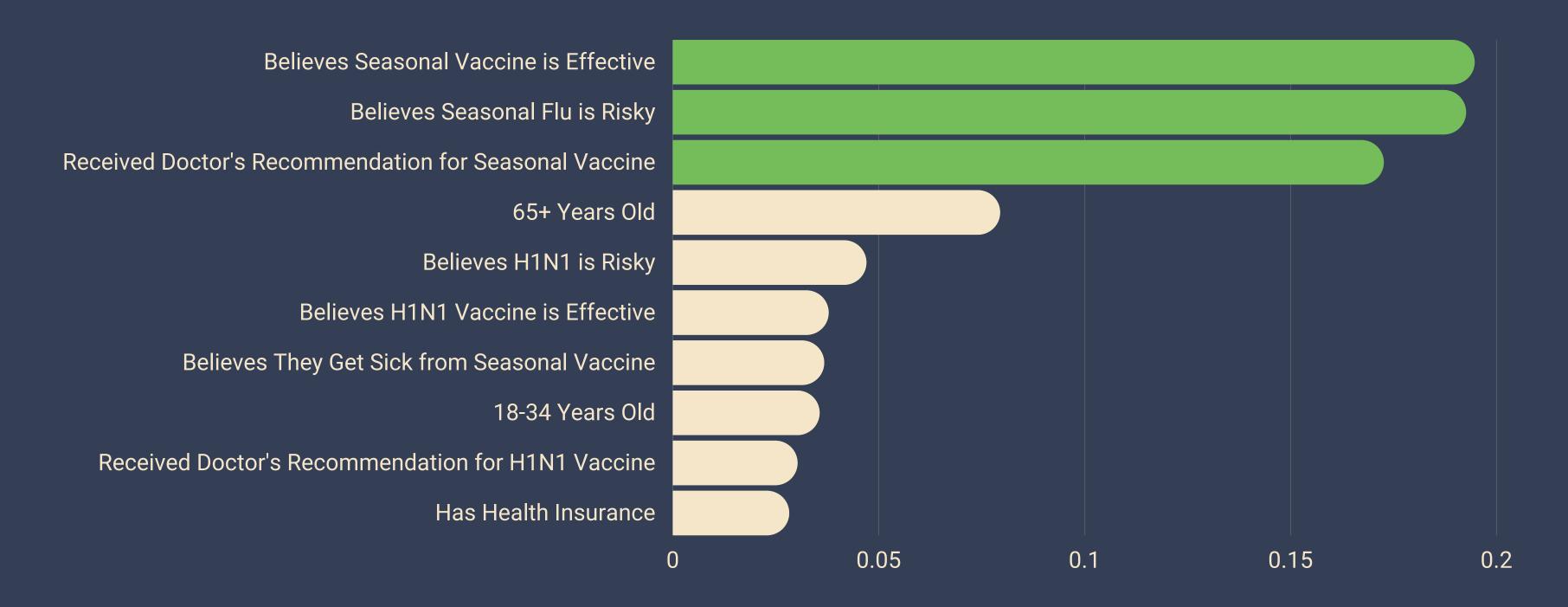
- Identifying those who actually need vaccination.
- Targeting the right individuals.
- Reduces risk of missing potential vaccine recipients.

MODEL PERFORMANCE ON UNSEEN DATA

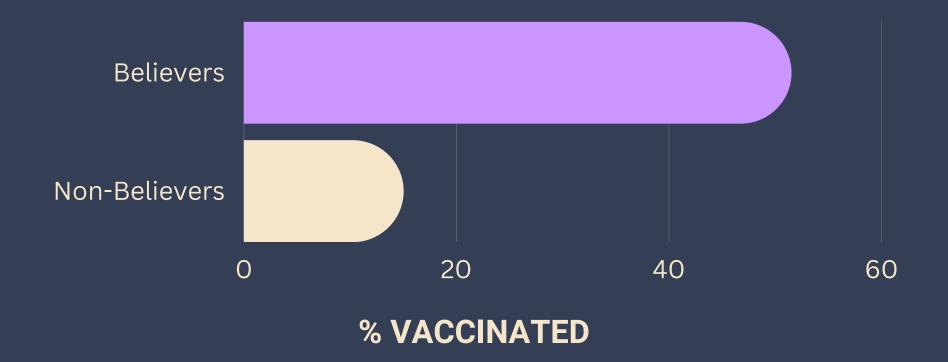
75.52% RECALL

77.84% ACCURACY

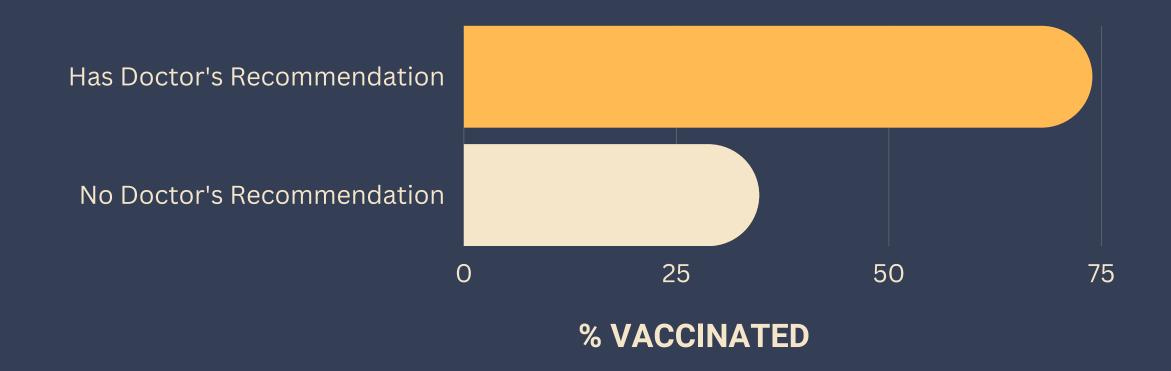
WHAT ARE THE DETERMINANTS?



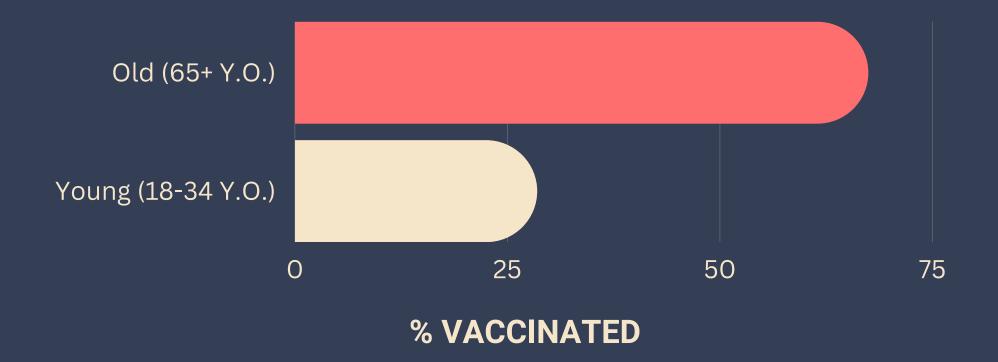
OPINION & EDUCATION



THE PROFESSIONAL WORD



DIFFERENCES IN AGE



RECOMMENDATIONS

- Implement educational campaigns to elucidate vaccine effectiveness using tangible evidence.
- > Provide resources to doctors for integrating seasonal vaccine recommendations in patient consultations.
- Oreate age-specific, targeted marketing campaigns, addressing health risks and societal benefits.

NEXT STEPS













THANK YOU.



Check out our repository!