H3N4 Vaccine Awareness

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OUR TEAM

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THE H3N4 EPIDEMIC

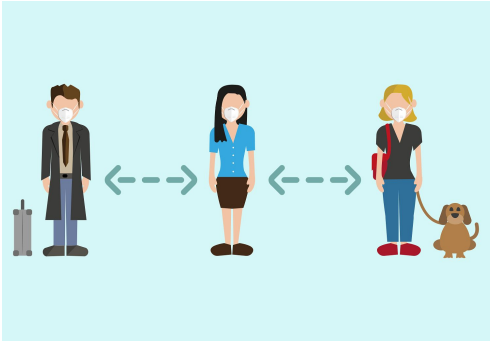
- A new epidemic is upon us
- Vaccines are currently being developed
- ACME Public Health division will lead the way with vaccine awareness

STUDY DESIGN

DISEASE CLASSIFICATION

The H3N4 virus is closely related to the H1N1

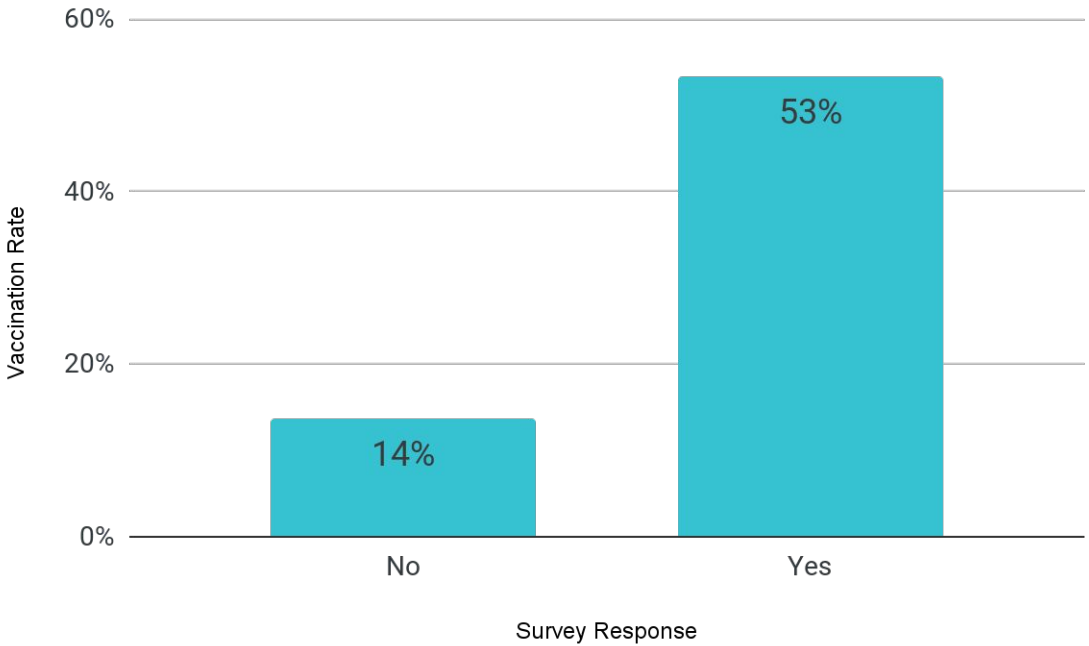
The United States conducted the National 2009 H1N1 Flu Survey to investigate vaccination patterns



The survey results can be used to direct our vaccine awareness efforts

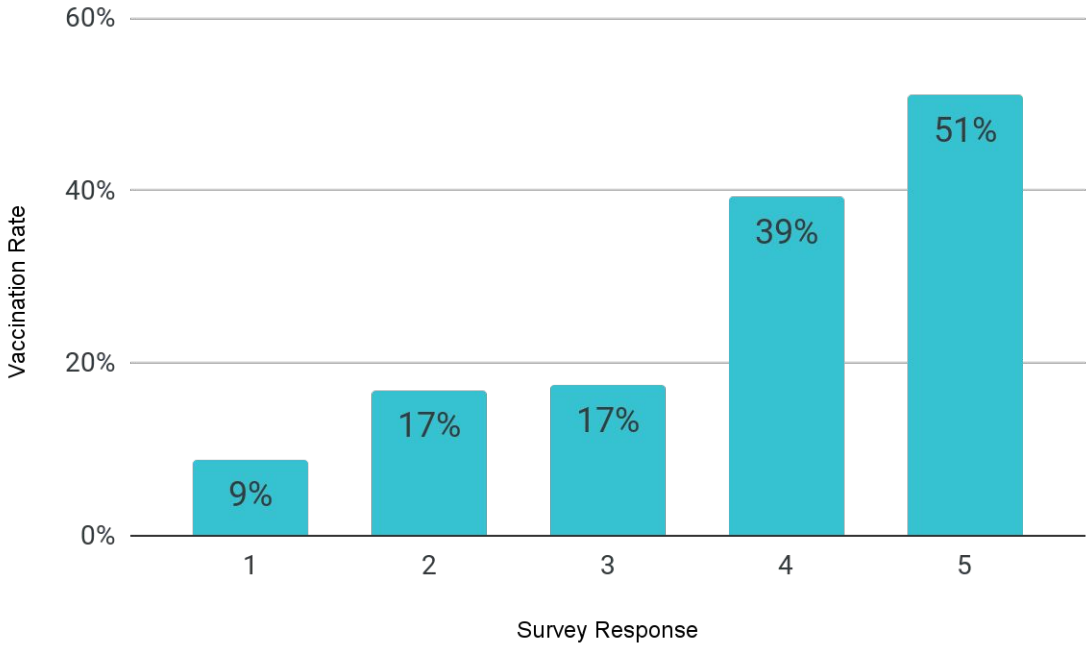
PATIENTS ARE MORE LIKELY TO GET VACCINATED IF DOCTOR RECOMMENDED

SURVEY QUESTION:
Has your doctor recommended you get vaccinated?



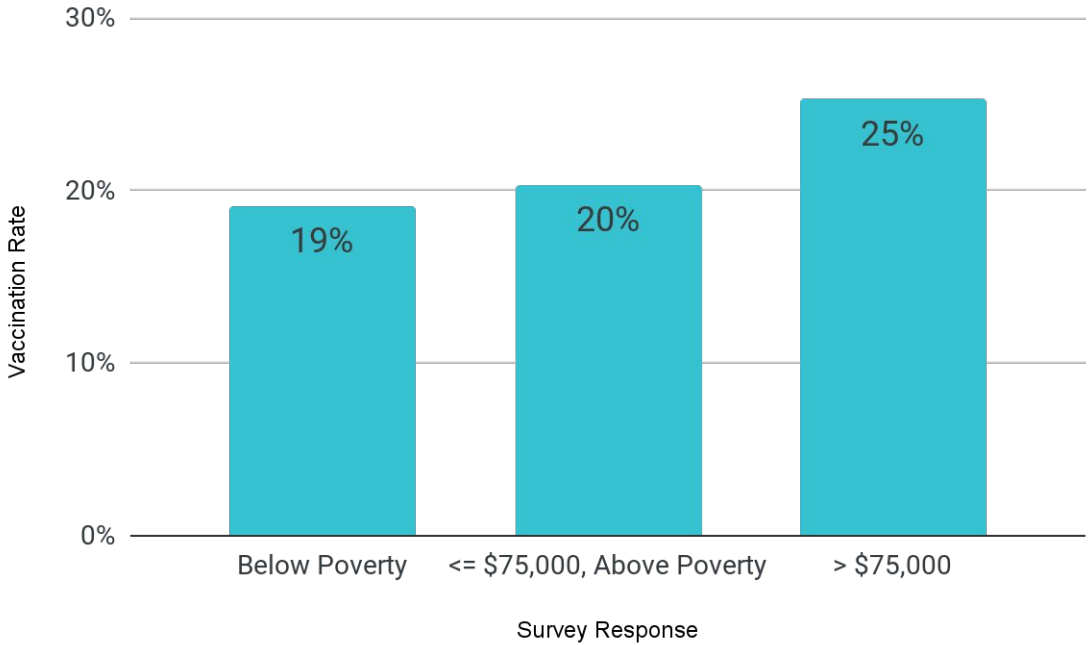
AWARENESS OF THE RISKS INCREASES VACCINATIONS

SURVEY QUESTION:
Rate the risk level of H1N1 on a scale of 1-5



THE WEALTHY ARE MORE LIKELY TO GET VACCINATED

SURVEY QUESTION:
What is your income group?



THE FINAL MODEL WAS SELECTED ON REDUCING FALSE POSITIVES

82%

Correctly predicted vaccination status

9%

Falsely predicted non-vaccinated

44%

Falsely predicted vaccinated

Recommendations

CLINICIANS

Reach out to healthcare professionals to recommend patients get vaccinated

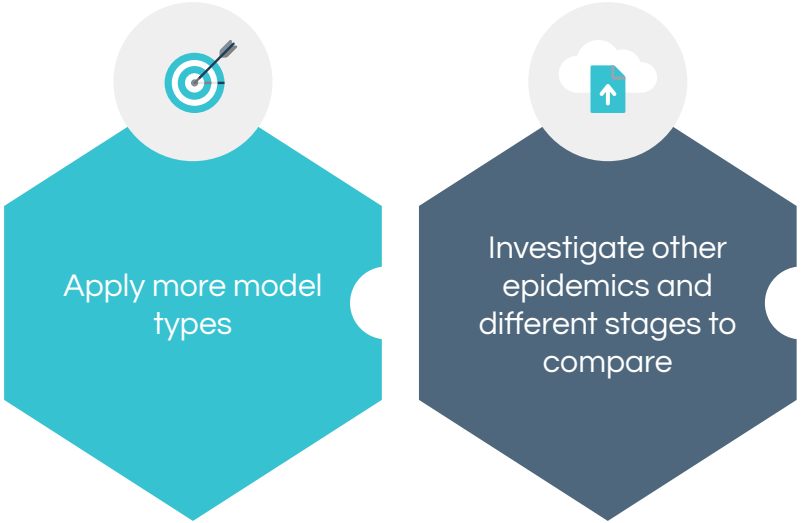
SURVEY

Run a user survey and ask about perceived risk & income

MODEL

Focus on reducing falsely predicting non-vaccinated

PROJECT NEXT STEPS



IMPROVE MODEL

MORE DATA

THANKS!

Do you have any questions?
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