# **Second Opinion**

Presented by: Alex, Chris, Colton, and Dylan

### Problem / Solution

Unnecessary freatment and malpractice
Doctors diagnosis remain uncollaborated

Web based application that confirms doctors decisions and recommends solutions



#### Potential Impact

Doctor/Nurse verification
Patient confidence in diagnosis/treatment
- Eliminates need for second oninion

\$538M amount 2,588 hospitals will have deducted from their Medicare payments due to high readmission rates

\* 3rd World Implementation for doctors with limited resources

### **Benefit**

- Reduces costs by: preventing overtreatment, minimizing malpractice, decreasing 'second opinion' vis
- decreasing 'second opinion' visits

   Supplemental advice

   Reliable rating system for doctors

Consumers have more confidence the doctors made the right decision



### Future Implementation

rist so fastane:

• Machine Learning for handlerling

• Destir care also with or speak dissortly into a pu

• Desice Using picture for logical.

Para.

#### Buye

doctors use if part of network

Option 2: Employers offer be employees

After building value, doctors notice va product gives by providing metric of



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# **Potential Impact**

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# Benefits

- Reduces costs by:

   preventing overtreatment,
   minimizing malpractice,
   decreasing 'second opinion' visits
- Supplemental advice
- Reliable rating system for doctors

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# Buyer

Option 1: Insurance companies insist doctors use if part of network

Option 2: Employers offer benefit to employees

After building value, doctors notice value product gives by providing metric of agreement with collaborators



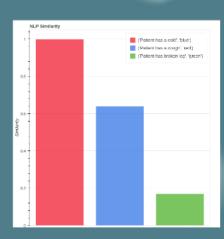
### Future Implementation

App is currently utilizing NLP

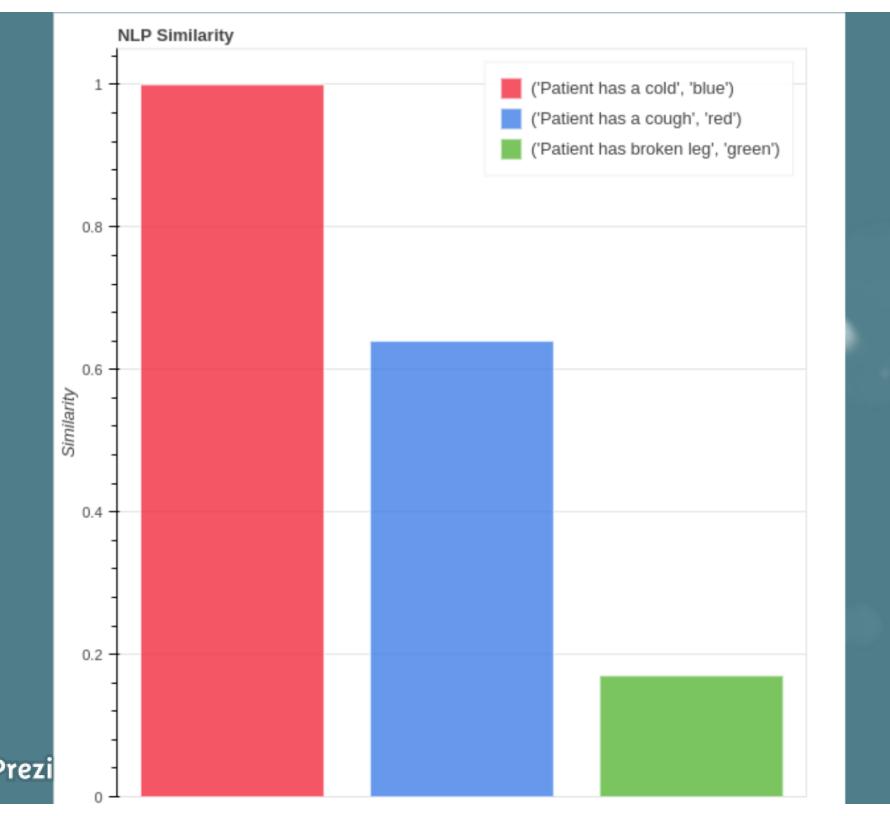
### Future features:

- Machine Learning for handwriting
- Doctor can also write or speak directly into app
- Device takes picture for input

Instantaneous response







Machine Learning IFIDE Recognition

Jean-Wordnet

Synsets Cosine Simularity Speech Bokeh Recognition Lemmatization Tokenize **DJANGO** 



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