Increase in telehealth services since the pandemic

1 McKinsey & Company, 2021
50% of American doctors experience burnout due to documentation work.\(^1\)

\(^1\)US National Library of Medicine, 2016
Issues

01 Lack of Communication
02 Wasted Time
03 Underutilized Medical Data
Solution: B.R.A.D

**Appointment Creation**

*Assist:* Easy access to patient information

**Symptom Screening**

*Efficiency:* Reduce workload of nursing staff

**Initial Diagnosis**

*Transparency:* Data-driven approach to making diagnosis

**Storage and Display**

*Flexibility:* Edit diagnosis and asynchronous communication
Demo
Implementation Technologies

Infermedica
Initial Diagnosis

Amazon Lex
Chatbot Logic

DynamoDB
Storage

NextJS
Frontend & Backend
What’s next?

- Medical Vocabulary Assistance
- Push Notifications
- Full Telehealth screening

Today → Future
B.R.A.D’s Impact

Employs data to assist medical diagnosis

Increases transparency and efficiency in patient-physician relationships

Improves automation of routine medical services
Thank you!

Ishana Narayanan
Team Lead

Sophie Groenwold
Scribe

Steven Huynh-Tran

Anthony Palomera

Evan Yip

Katelyn Zhang

Teladoc Mentors:
John O'Donovan
Sushil Bharati
Matias Massetti
Juan Jouglard
Javier Iparraguirre
Gonzalo Arro
Gabriel Salazar
Katherine Ho
Ole Eichhorn

UCSB Mentors:
Professor Su
Professor Krintz
Mason Corey
Questions?
System Architecture