

CloudCare



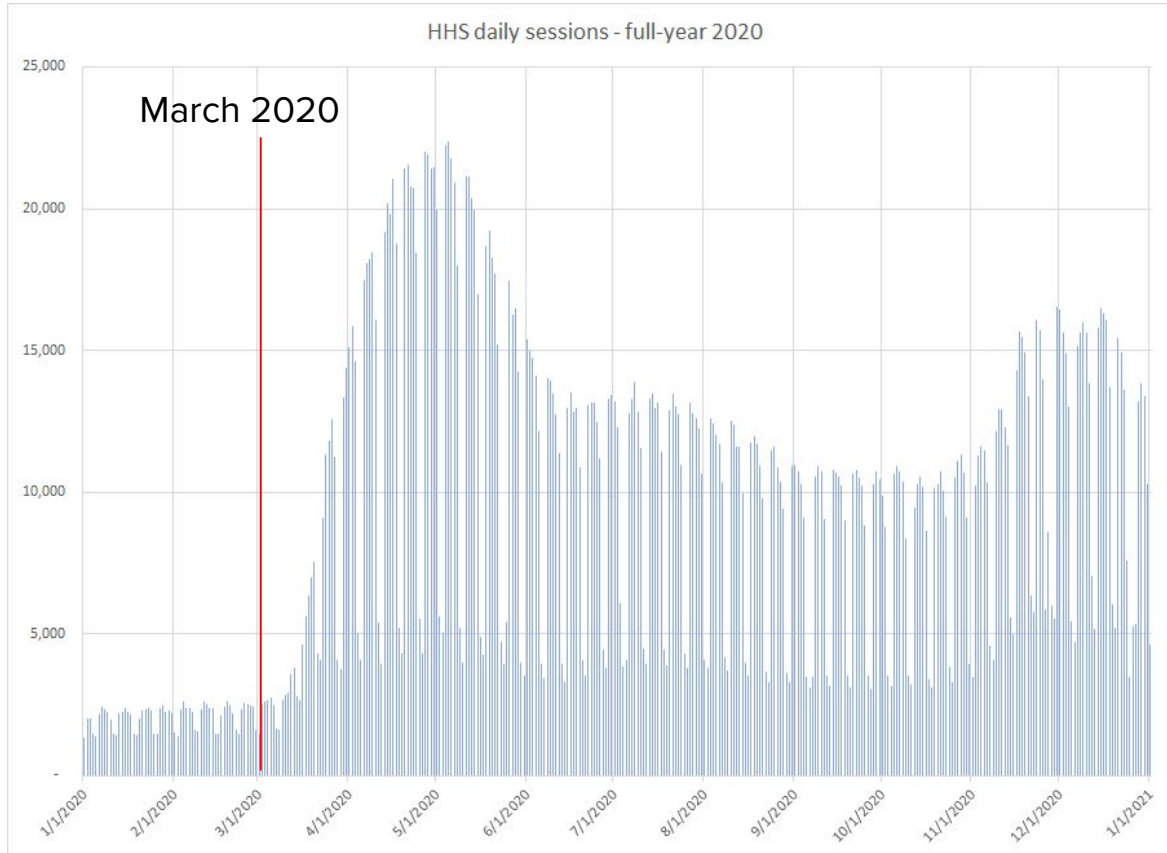
Team: #stub: Ben Lee (lead), Jonathan Xu (scribe), Rohan Aren, Paul Kuang, Dylan Kupsh

Teladoc Health mentors: Ole Eichhorn, Dan Blimline, Jeff Mark, Luke Whitesides, Srinivas Acharya

65% of hospital beds are
occupied at any given time

Almost **900 million** in-person
physician visits per year

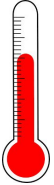
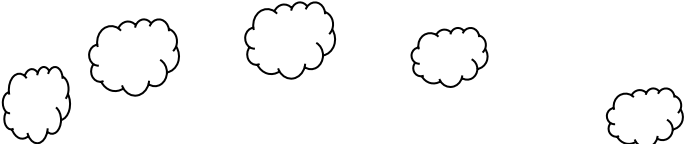
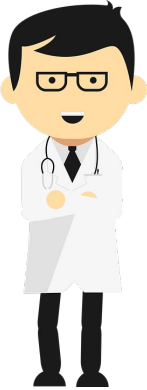
Rise of Telehealth



45% of Americans have tried
digital health products in 2020

The Problem...

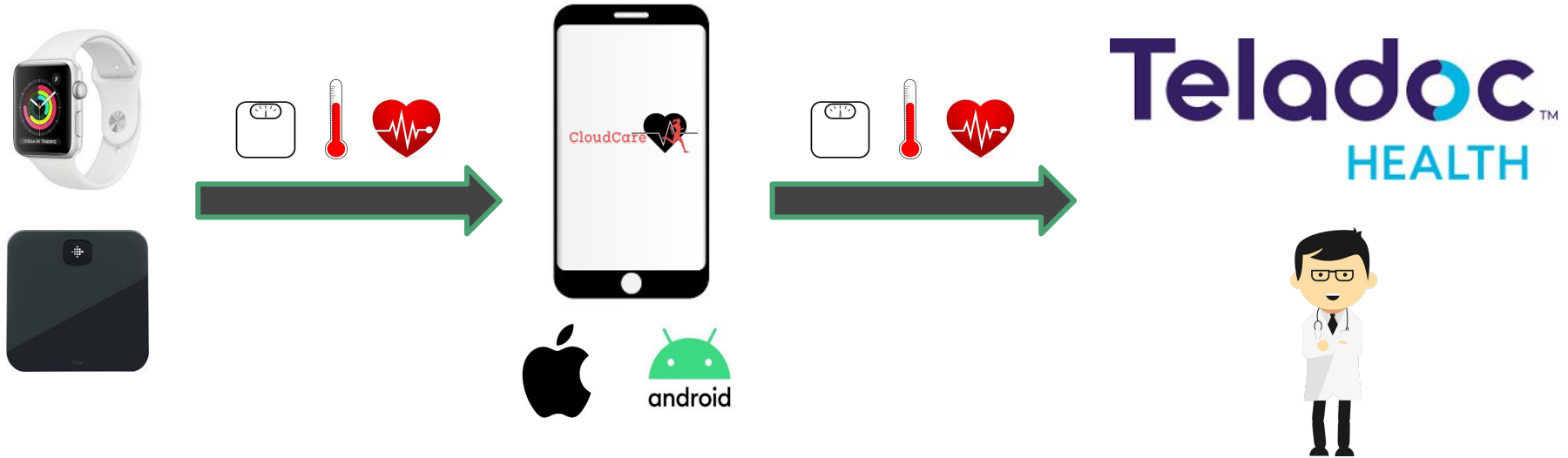
How can healthcare professionals take vitals in telehealth consultations?



Re“vital”izing Telehealth

CloudCare merges data from consumer peripherals...

...then uploads to your doctor’s telehealth platform.



Demo...

The screenshot displays a telehealth interface. The top bar shows a 'General' channel and 'PaulK99's Screen'. The main content area is a patient's record for '08:48 Cap Stone'. The 'Vitals' section contains a table with the following data:

Vitals	03/09/2021 03:51 PM PST	03/09/2021 03:20 PM PST	03/09/2021 03:18 PM PST	03/09/2021 03:04 PM PST	03/09/2021 02:54 PM PST
1. Respiratory Rate					
2. Height					
3. Weight	101.9 lbs	101.9 lbs	101.9 lbs	101.9 lbs	101.9 lbs
4. SpO2					
5. Blood Pressure					
6. Heart Rate	77 bpm	77 bpm	77 bpm	77 bpm	77 bpm
7. Temperature	97.5 F	97.5 F	97.5 F	97.5 F	97.5 F
8. Submitted By	Device	Device	Device	Device	Device

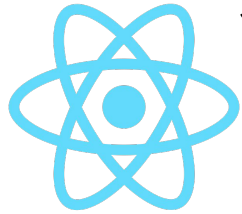
The right sidebar shows a list of participants in the virtual room:

- Jonathan Xu (with 'Watch Stream' button)
- PaulK99
- Jonathan Xu (with Discord icon)
- PaulK99 (with Discord icon)
- Ben Lee (with profile picture)
- Dylan Kupsh (with Discord icon)

The bottom of the interface features a navigation bar with icons for chat, video, and other functions.

Technologies

CloudCare



**Built Using
React Native**



**Victory
Native for
Charts**

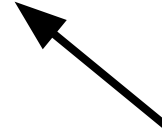
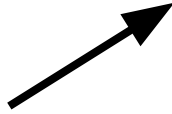


**Apple Healthkit, Google
Fit, and Fitbit for
Consumer Peripherals**



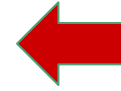
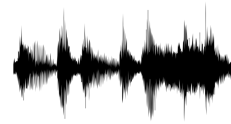
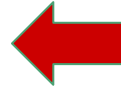
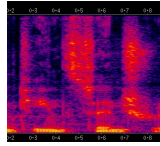
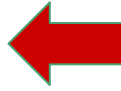
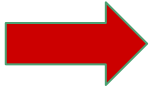
Teladoc
HEALTH™

**Smart Vitals to bridge
with Teladoc Health**

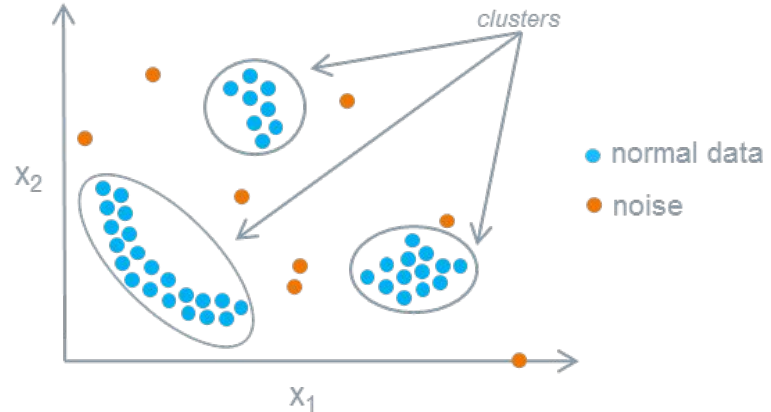
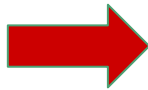
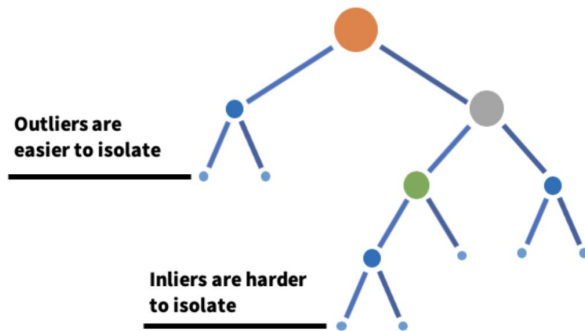


Data Analysis Details...

Breath Analysis



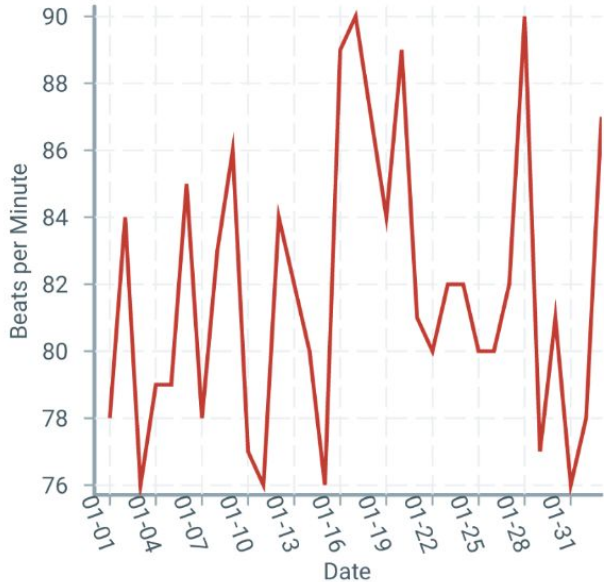
Anomaly Detection



Modernizing Vitals Collection

Vitals History vs. Snapshot

Heart Rate Data



Data Analysis Platform



Questions?