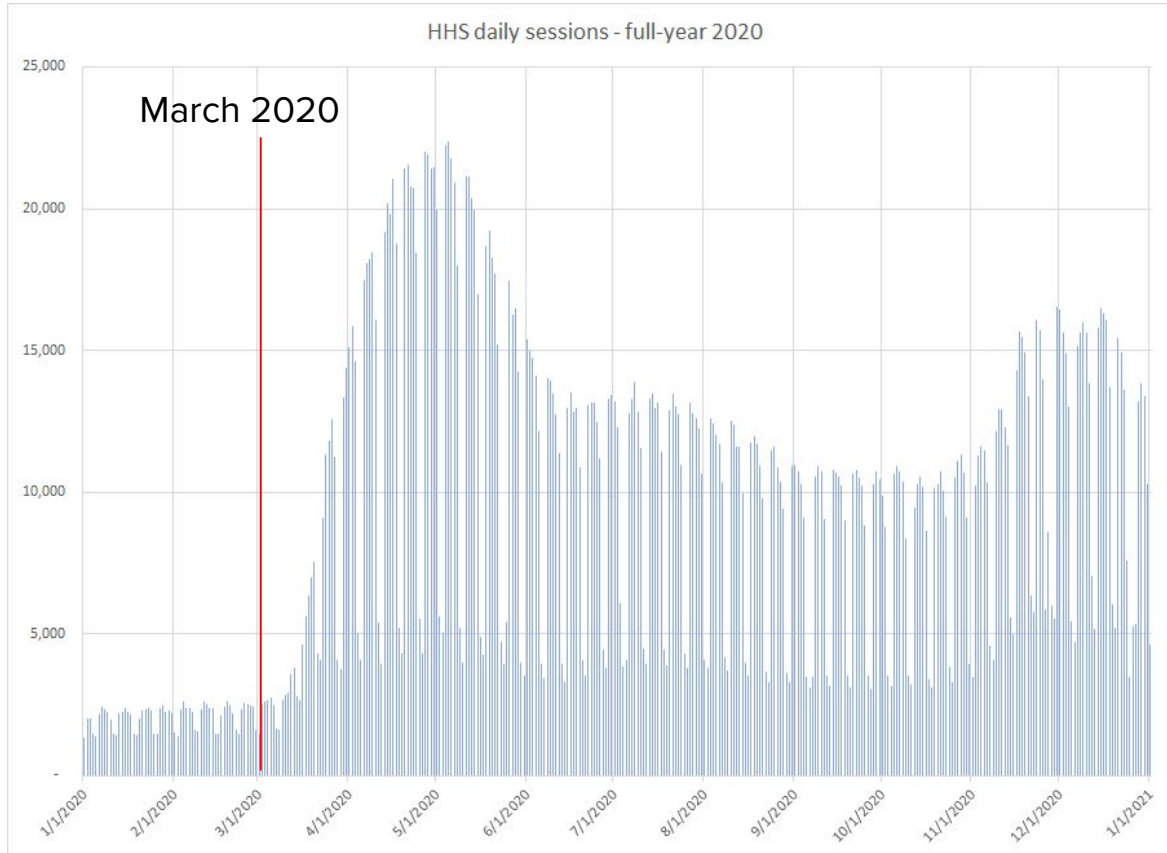# CloudCare

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, Sriniwas Acharya

65% of hospital beds are occupied at any given time

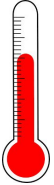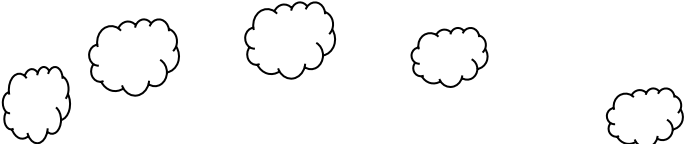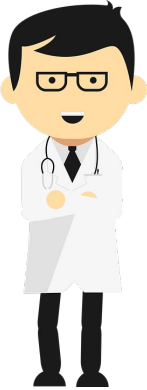Almost **900 million** in-person physician visits per year

Rise of Telehealth

HHS daily sessions - full-year 2020

45% of Americans have tried digital health products in 2020
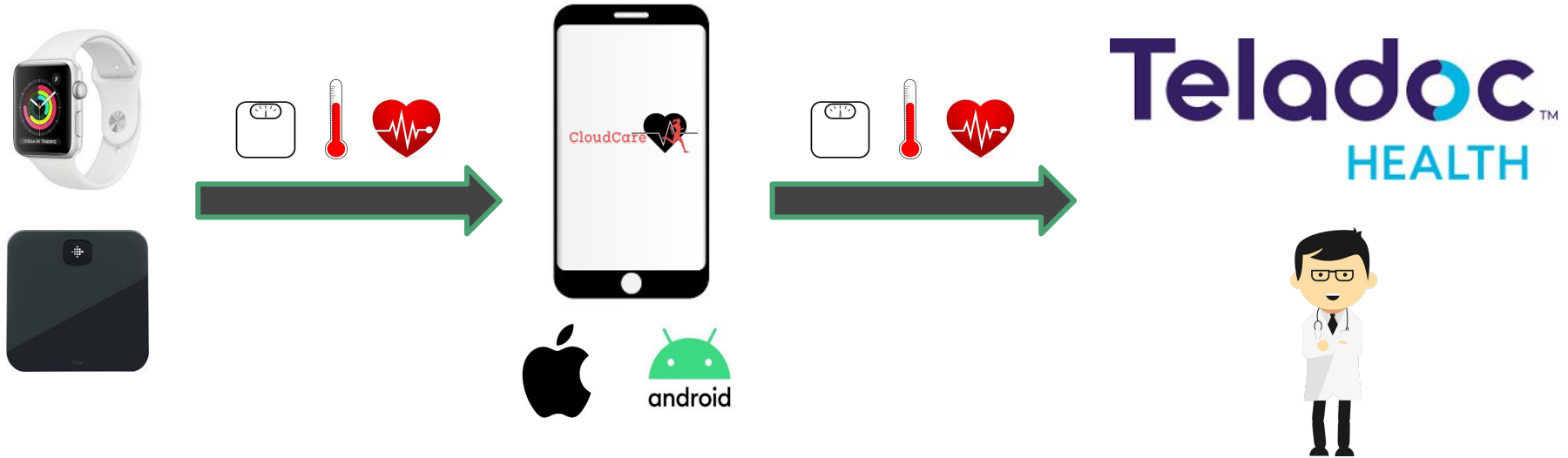
The Problem...

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...

Technologies

CloudCare
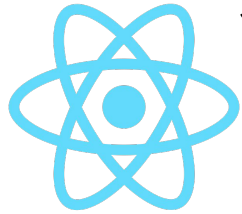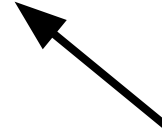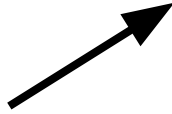
Built Using React Native

Victory Native for Charts

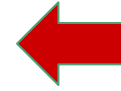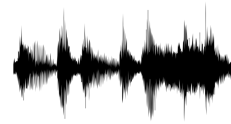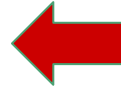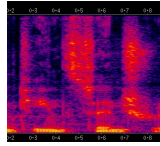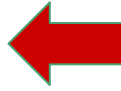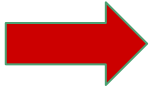**Apple Healthkit, Google Fit, and Fitbit for Consumer Peripherals**

Teladoc HEALTH

Smart Vitals to bridge with Teladoc Health

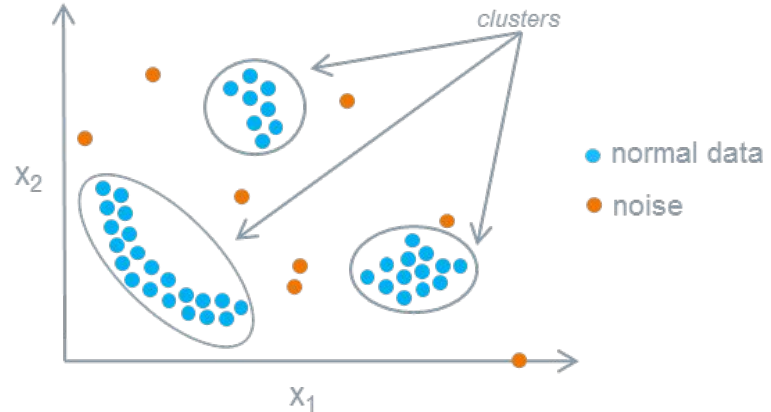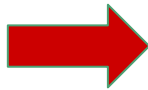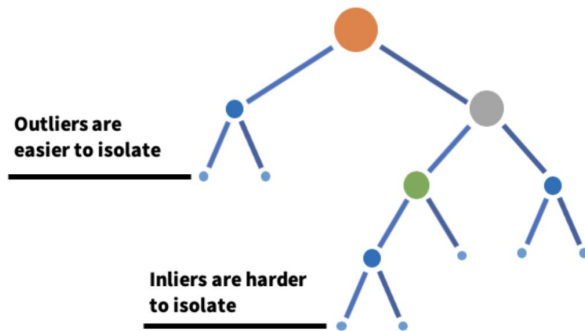# Data Analysis Details...

Breath Analysis

Anomaly Detection

Outliers are easier to isolate

Inliers are harder to isolate

clusters

x_2

x_1

- normal data
- noise

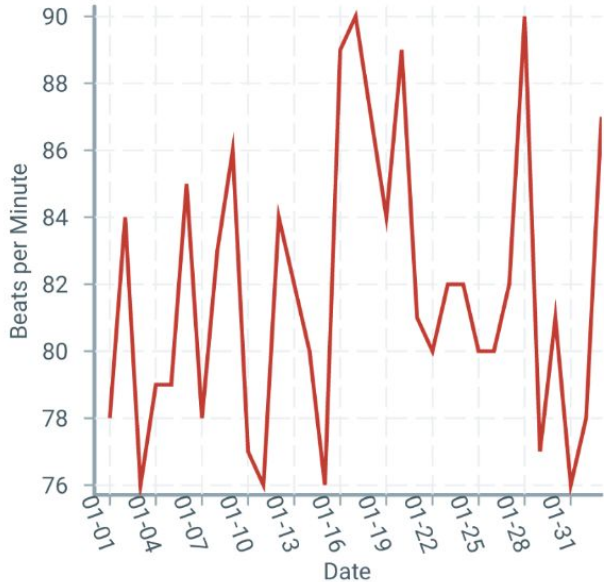# Modernizing Vitals Collection

Vitals History vs. Snapshot

Heart Rate Data

Data Analysis Platform

Questions?