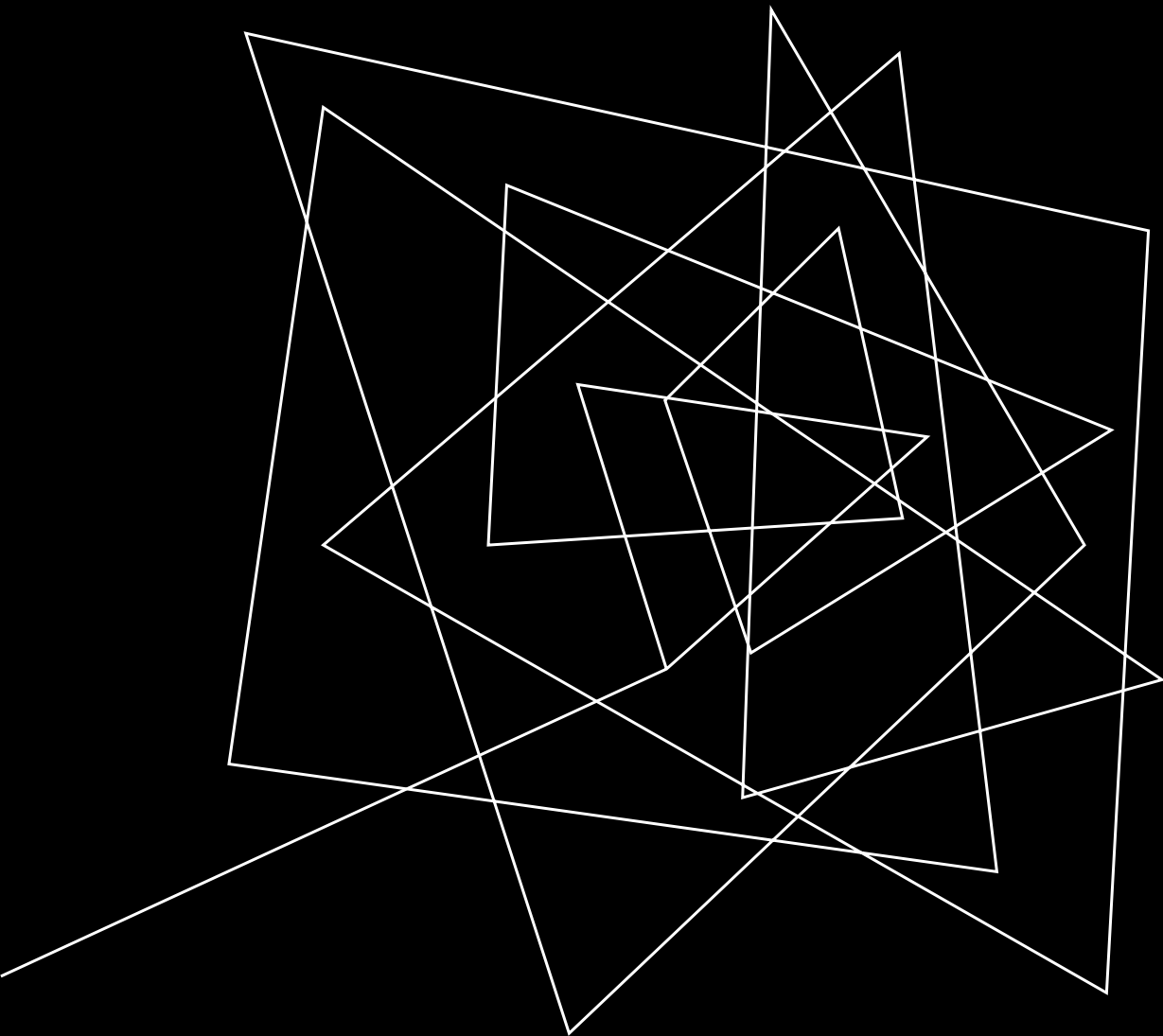


An abstract graphic consisting of several thin, black, overlapping lines that form various geometric shapes, including triangles and polygons, scattered across the upper left portion of the page.

EMERGING TECHNOLOGY IN MEDICINE

Mark Callery, DO



DISCLOSURES

No financial ties to any products mentioned in today's presentation

UPDATING YOUR DOCTOR'S BAG





STETHOSCOPES

Original Concept by French doctor in 1860's

Binaural stethoscope created around 25 years later

1961 – Dr. David Littmann designed the modern stethoscope



DIGITAL STETHOSCOPES

Augmented sound options

Can be added to existing stethoscopes

Bluetooth enabled for listening or recording

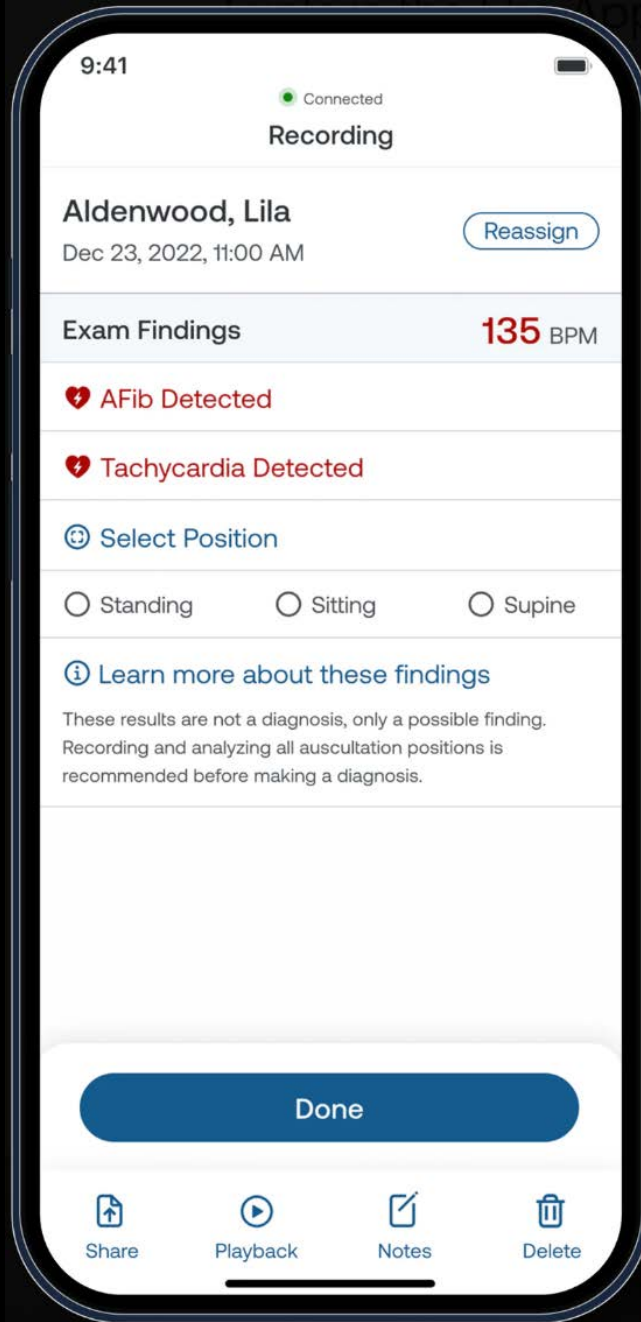


STETHOSCOPES

Augmented sound

Bluetooth enabled for listening or recording

3 lead ECG



OTOSCOPE

Origins traced to France in 1363

Modern otoscope developed in Germany in 1881



DIGITAL OTOSCOPE

Ability to capture and share images

Able to attach to most power handles

Great option for training students, no need for more than one exam







ARTIFICIAL INTELLIGENCE

Chat GPT

Generative AI built in to EHR

Optical Character Recognition

OpenEvidence



DIGITAL SCRIBE

Ambient listening software will listen to an encounter and create an intelligible note using generative AI

CONTINUOUS GLUCOSE MONITORS

24/7 monitoring of blood sugar with real-time updates

Able to see more accurate trends in both short and long term

Expanded coverage for Medicare and Medicaid patients

Able to bill for interpretation and placement



EKG DEVICES

Able to do up to six-lead EKG
FDA approved to detect Afib
Able to record and send EKGs



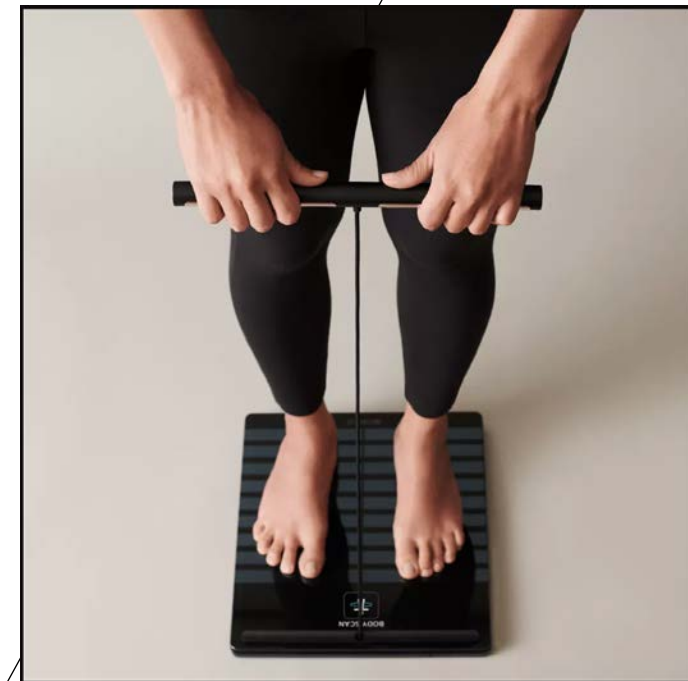
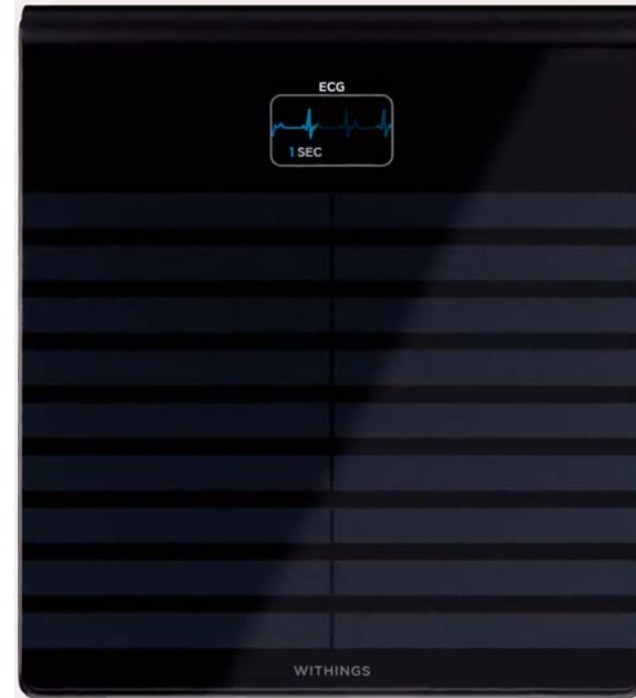
SCALES

More than just weight

EKG capability

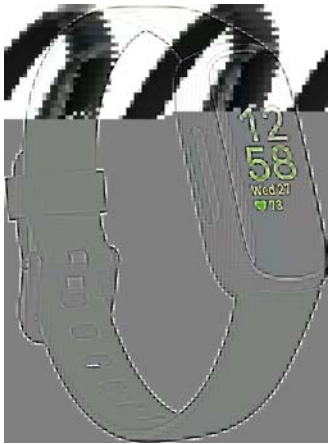
Vascular age

Body composition



WEARABLES

- Fitness Trackers
- Smart Watches
- Smart Rings



SPRAYABLES?

Home urinalysis

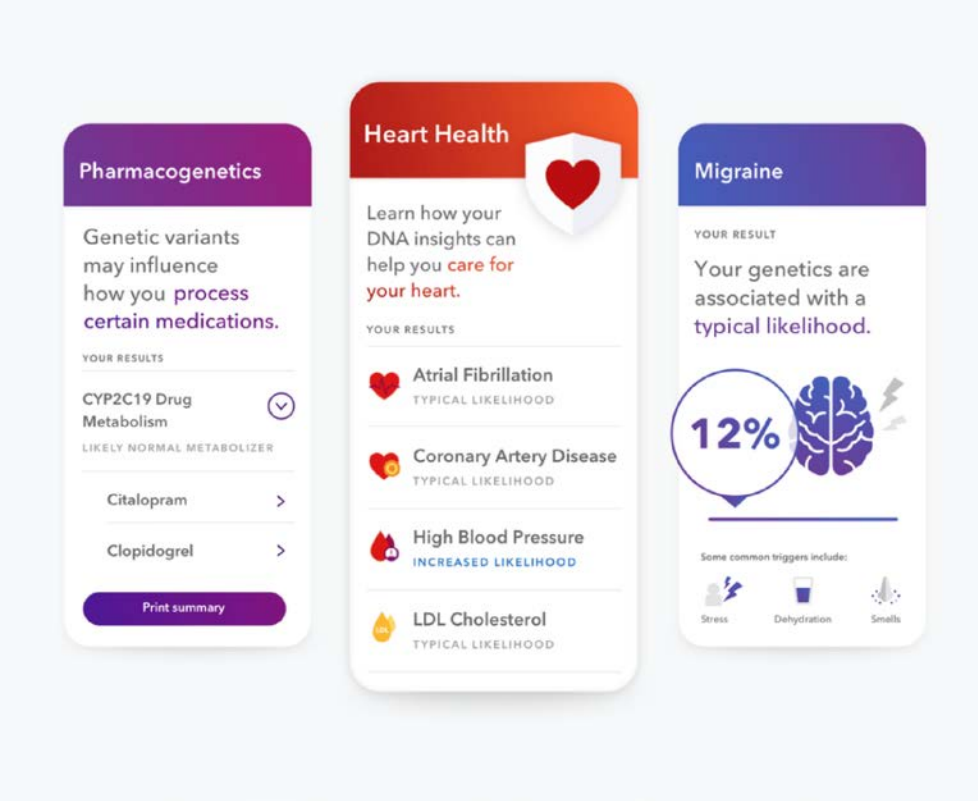
Nutrition tracking

Menstrual/hormonal tracking



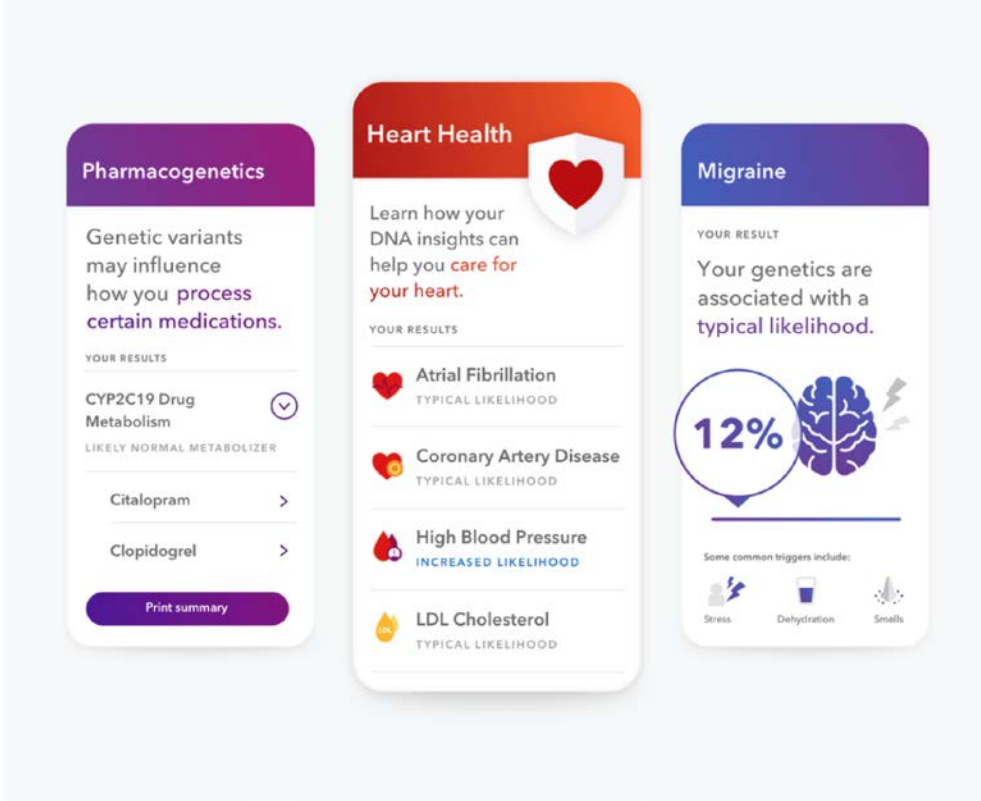
TELEHEALTH

Expanding access to telehealth only companies
Integration of telehealth into existing brick and mortar practices



LABORATORY AND GENETIC TESTING

- 23 & Me
- Everlywell
- Labcorp OnDemand

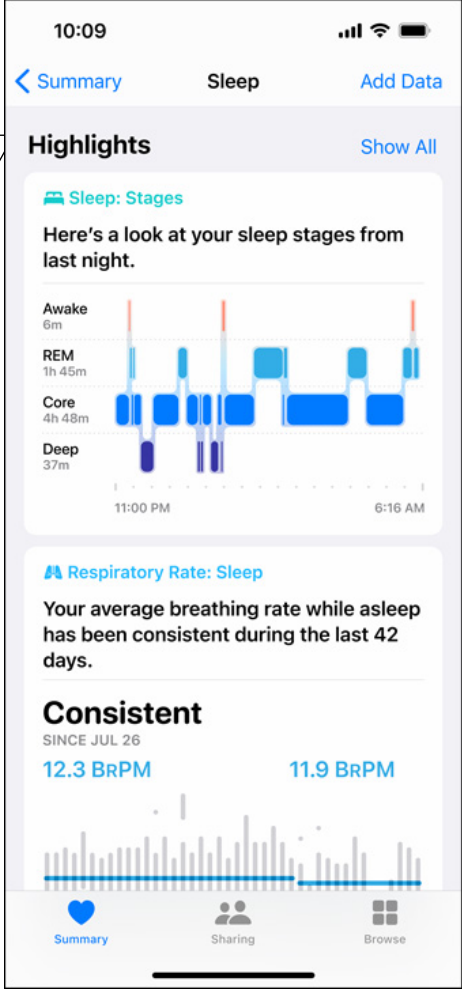
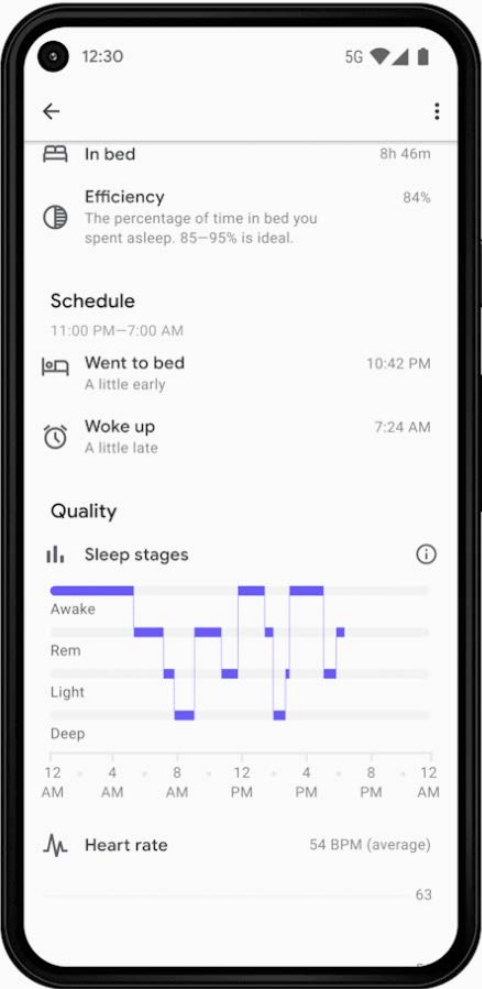


APPLICATIONS

Apple Health

Google Fit

Samsung Health



LOVE AND COMPASSION ARE
NECESSITIES, NOT LUXURIES.
WITHOUT THEM, HUMANITY CANNOT
SURVIVE

Dalai Lama

COMPASSIONOMICS

THE REVOLUTIONARY
SCIENTIFIC EVIDENCE
THAT CARING
MAKES A DIFFERENCE



STEPHEN TRZECIAK
ANTHONY MAZZARELLI

Foreword by SENATOR CORY BOOKER