

# The Evolution of Digital Health

Saam Ali



International Investors and Founders  
CINC Centro de Negocios y Asesoría  
Barcelona  
21st March 2018





The Sharpe J-SH04



# That was 20yrs ago...





# That was 20yrs ago!



Communicate - Work - Shop

**HEALTH**



# Smartphones disrupting Healthcare



*"I need to go to the Doctor"*



# <10 Years ago...

- Make an appointment with Dr
- Visit Dr (2 weeks later)
- Go to pharmacy and collect medication





# Now...

- Take picture with Smartphone
- Upload image to DrApp
- Medication delivered in 2 hours





# Digital Health

- Definition -
- Evolution -
- Future -



# Story of Digital Health

Paul Sonnier

*Digital Health is the convergence of the digital and genomic revolutions with health, healthcare, living, and society.*





## **DIGITAL**

Better personal healthcare management  
Make healthcare delivery more efficient  
Improve access  
Reduce cost  
Increase quality  
Make medicine more personal precise



## **HEALTHCARE**



# Some Digital Health advancements in the last decade



**2007** - Iphone launched and Apps became commonplace

**2017** - 3.7 billion downloads of health apps



# Some Digital Health advancements in the last decade



**2009**

Movement, sleep,  
calories



**2018**

HD colour display, personal dash  
board 24-hour HR monitor,  
guided breathing etc, etc...



Some Digital Health  
advancements in the last decade

**TELEHEALTH**

**PORTAL TECHNOLOGY**

**SELF SERVICE KIOSKS**



Some Digital Health  
advancements in the last decade

## **VENTURE CAPITAL**

**2014**

\$3 Billion plugged into  
Digital Health Startups



Some Digital Health  
advancements in the last decade

# **PHARMACOGENOMICS AND PERSONALISED MEDICINE**





Some Digital Health  
advancements in the last decade

## **SOCIAL MEDIA**



600,000 people with 2,800 conditions

DATA



**Artificial Intelligence**

**Big Data**

# Digital Health

The future?

**Machine Learning**



# The Medical Futurist

Dr Meskó Bertalan

- **Data management** (e.g. Google Deepmind Health)
- **Develop treatment plans** (e.g. IBM Watson)
- **Assisting in repetitive tasks** (e.g. Medical Sieve)
- **Help triage patients better** (e.g. Babylon)
- **Drug creation and manufacture** (e.g. Atomwise)





How intelligent will they become?



# Thank you!

Saam Ali

Pharmacy Mentor

[www.pharmacymentor.com](http://www.pharmacymentor.com)

