The Evolution of Digital Health Saam Ali

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







That was 20yrs ago...





That was 20yrs ago!



Communicate - Work - Shop



Smartphones disrupting Healthcare

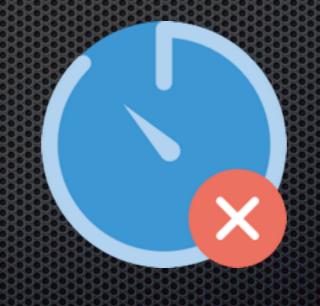


"I need to go to the Doctor"



<10 Years ago...

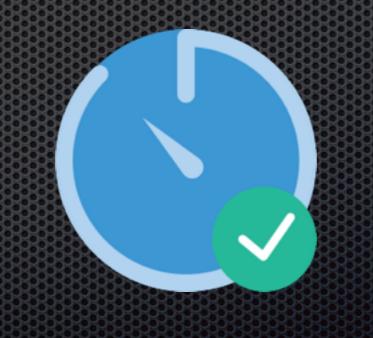
- Make an appointment with Dr
- Visit Dr (2 weeks later)
- Go to pharmacy and collect medication





Now...

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





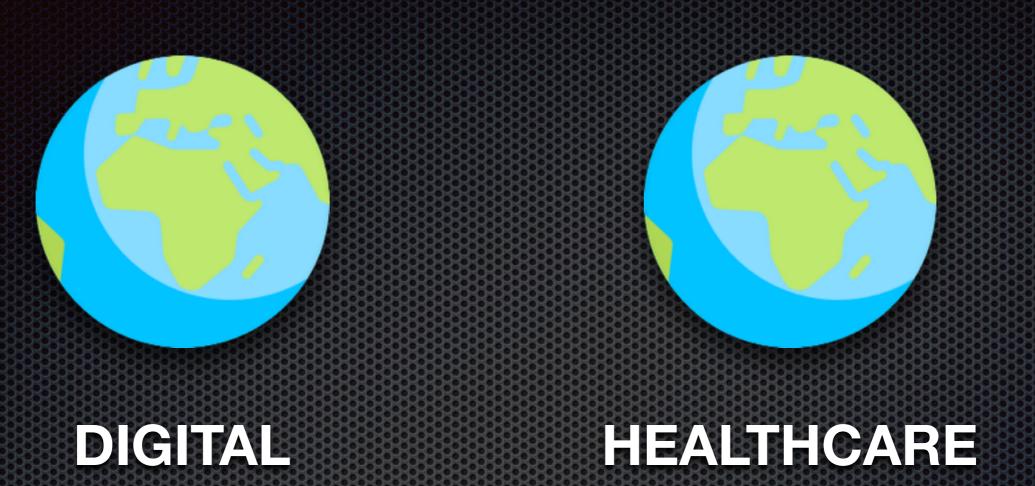
Digital Health

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.



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

Some Digital Health advancements in the last decade



- Iphone launched and Apps became commonplace

- 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...



TELEHEALTH

PORTAL TECHNOLOGY

SELF SERVICE KIOSKS

Some Digital Health advancements in the last decade

VENTURE CAPITAL

2014

\$3 Billion plugged into Digital Health Startups



PHARMACOGENOMICS AND PERSONALISED MEDICINE





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 <u>www.pharmacymentor.com</u>



