HEALTHCARE, INNOVATION & DISRUPTION

By Sajid Ahmed, CHCIO
Chief Executive Officer
“Of all the forms of inequality, injustice in health is the most shocking and the most inhuman.”

- Dr. Martin Luther King, Jr.
- March 25, 1966, Chicago
“There has never been a better time to be an innovator in health care.”
75% of nurses say the shortage of nurses is a problem for quality of patient care and amount of time nurses spend with patients.

63% of doctors say non-clinical paperwork has caused them to spend less time with patients.

76% of physicians feel overextended and overwhelmed.

 Patients don’t see the difference between insurers, doctors and hospitals—and get frustrated.

79% of hospital execs said they still gather outcomes data by hand.
Patient engagement and care management; condition-specific devices and apps; home monitoring; medication adherence

Condition management and monitoring

Health search and symptoms; detection and diagnostic testing; provider ratings and selection

Treatment (Virtual and convenient care)

Video visits and online care; convenient care; concierge care

Diagnosis and decision

Fitness and wellness

Wearables and activity trackers; employee and plan member health optimization
The average person is likely to generate more than one million gigabytes of health-related data in their lifetime. Equivalent to 300 million books.

IBM Watson Health
Is Artificial Intelligence (AI) a Solution for Healthcare?
"Please state the nature of the medical emergency."
BODY IMAGE
Inflated.

SIZE
Size doesn't matter. Performance does.

MOTIVATIONAL PHILOSOPHY
I cannot deactivate until you say “I am satisfied with your care.”

#MeetBaymax

“I am not concerned about my body. I’m concerned about yours.”

Hello. I am
BAYMAX
your personal healthcare companion.

BIG HERO 6

Disney
AI In Healthcare: Machine Learning and Deep Learning Startups To Watch

- Patient Monitoring/Health Management
  - Wellframe
  - Welltok
  - AiCure
  - BI-BEATS
  - HEALINT
  - Healint
- Medical Imaging
  - Butterfly Network
  - VISEXCELL
  - MetaMind
  - ArteryS
- Virtual Assistants
  - SENSELY
  - Your.MD
  - Babylon
  - medwhat
- Drug Discovery
  - Atomwise
  - twoXAR
  - Numerate
- Diagnostics
  - deep genomics
- Health Insights/Risk Analytics
  - Zephyr Health
  - Apixio
  - Lumiata
- Medical Research
  - 3M
- Nutrition
  - Nuritas
- Created By
  - CB Insights

Created by CB Insights
From Virtual Nurses To Drug Discovery: 106 Artificial Intelligence Startups In Healthcare

LIFESTYLE MANAGEMENT & MONITORING
- AiCure
- PeerWell
- Healint
- Wellframe
- Intendu
- Ovuline

NUTRITION
- Nuritas

EMERGENCY ROOM & HOSPITAL MANAGEMENT
- Gauss Surgical
- AnalyticsMD
- Medase
- Qualaris

VIRTUAL ASSISTANTS
- Babylon
- Sense.ly
- Med What
- Your MD

MENTAL HEALTH
- TAO
- Ginger.io
- Avalon

DRUG DISCOVERY
- Atomwise
- Globavir
- Two AR
- Envisage
- Numerate
- NuMedii

WEARABLES
- Cicradia Health
- Tiny Kicks
Leaders in Diagnosis and Decision Disruption

- WebMD
- Castlight Health
- Guardant Health
- DirectLabs
- ZocDoc
- 23andMe
- SelfMD
- Grand Rounds
- Helix
- Grail
- Scanadu
- Ginger.io
- Iggbo
- ResApp Health
Study: AI, dermatologists equally effective at identifying skin cancer
Written by Jessica Kim Cohen | January 26, 2017 | Print | Email
Mark Zuckerberg philanthropy acquires AI startup for disease prevention
Written by Jessica Kim Cohen | January 26, 2017 | Print | Email
IBM Watson diagnoses cancer patients in South Korean hospital: 5 things to know

Written by Jessica Kim Cohen | January 30, 2017 | Print | Email
Artificial Intelligence For Healthcare Is Booming

31/01/2017 17:11

Huffington Post, Reuven Cohen
AI that knows you're sick before you do:
A mix of artificial intelligence and custom silicon could help people diagnose themselves.
By Jo Best | February 1, 2017 | Topic: Artificial Intelligence
Where the magic happens

Your Comfort Zone
Artificial Intelligence is the revolution for health and care

- Fourth Industrial revolution
- Disrupt Healthcare
- Redesign Healthcare
Thank you!

Sajid Ahmed
@sajcookie
sajid.ahmed@wise.healthcare