

CONNECTED HEALTH

How data is solving health care industry problems

PROBLEM



AGING POPULATION

By 2030, 71 million Americans (about 20% of the U.S. population) will be 65 and older.



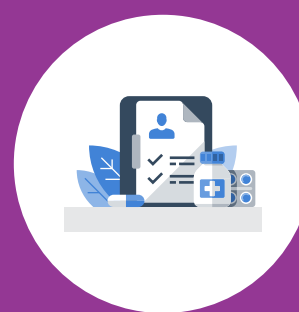
FEWER PHYSICIANS

The U.S. will see a shortage of up to nearly 122,000 physicians by 2032.



RISING COSTS

The U.S. healthcare expenditure is at \$3.5 trillion.



RISE IN CHRONIC DISEASES

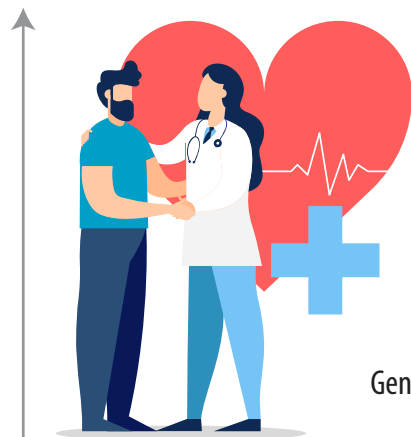
Treatment of chronic diseases contribute to about 75% of total U.S. healthcare expenditure.

DATA CAN BE A SILVER BULLET SOLUTION TO MANY HEALTH CARE CHALLENGES

DATA TYPES

Patients today contribute data from self monitoring to after-care management

PATIENT JOURNEY



SELF MONITORING

Personal wellness app (Fitbit/Garmin)
Digital apps

DIAGNOSTICS

MRI-scans
Clinical labs
Genome sequencing

CONSULTATION

Office visits
Telehealth consultation
EMR

AFTER-CARE MANAGEMENT

Digital therapeutics
Follow-up visits
Monitoring

MACRO FACTORS

Demographics
Socio-economic factors
Environmental factors

OTHER DATA

Medical literature
Clinical trials
Patient advocacy

DATA SOURCES

Many different data sources provide valuable data to improve health outcomes



PHONE



LAPTOP



SENSORS



MEDICAL GRADE WEARABLES



PUBLIC DATA

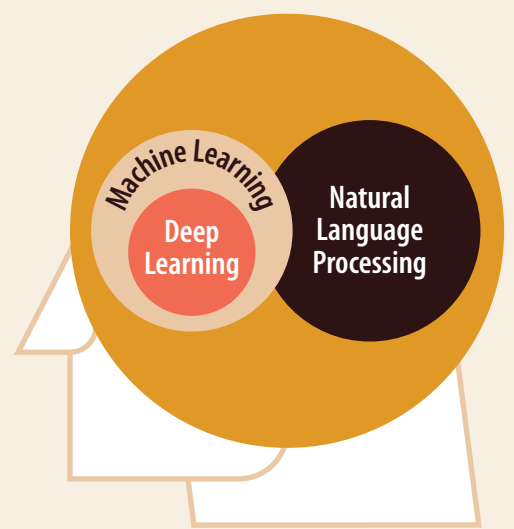


BIG DATA

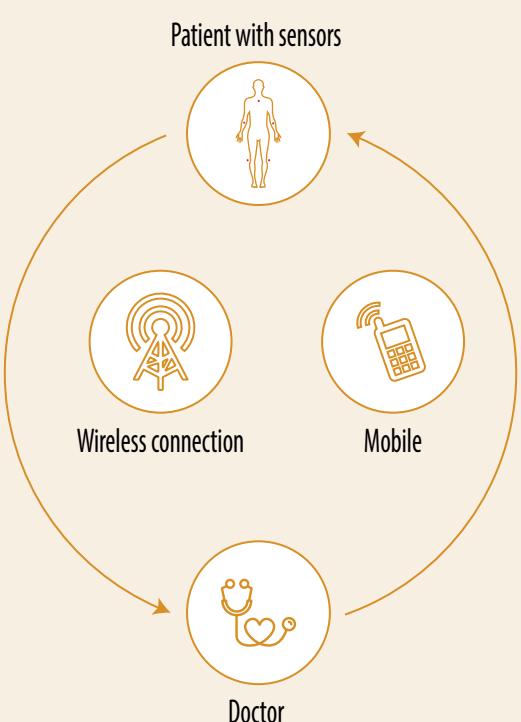
DATA ANALYTICS

Analytics can be applied in real-time to data sources from private and public channels

ARTIFICIAL INTELLIGENCE



TELEMATICS



DATA PURPOSE

PERSONALIZED INSIGHTS

POPULATION INSIGHTS

DATA USECASES

CARE COORDINATION

DAILY CARE COORDINATION

Caregiver
Dietician
Customer support

CONSULTATION

Physician

CARE PLANNING AND EVOLVING PRACTICES

PHYSICIAN

Evidence based protocol design

PAYER

Cost of care management

PHARMA

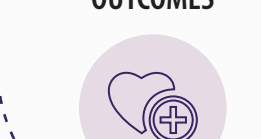
Drug design

PATIENT

PREVENTION | PREDICTION | PRICING | PERSONALIZATION

OUTCOMES

IMPROVED HEALTH OUTCOMES



POPULATION HEALTH

REDUCE COSTS



REDUCE PHYSICIAN BURNOUTS