

Innovation Digital Healthcare Services team

#### **Contents**

1. Overview

a. In the World

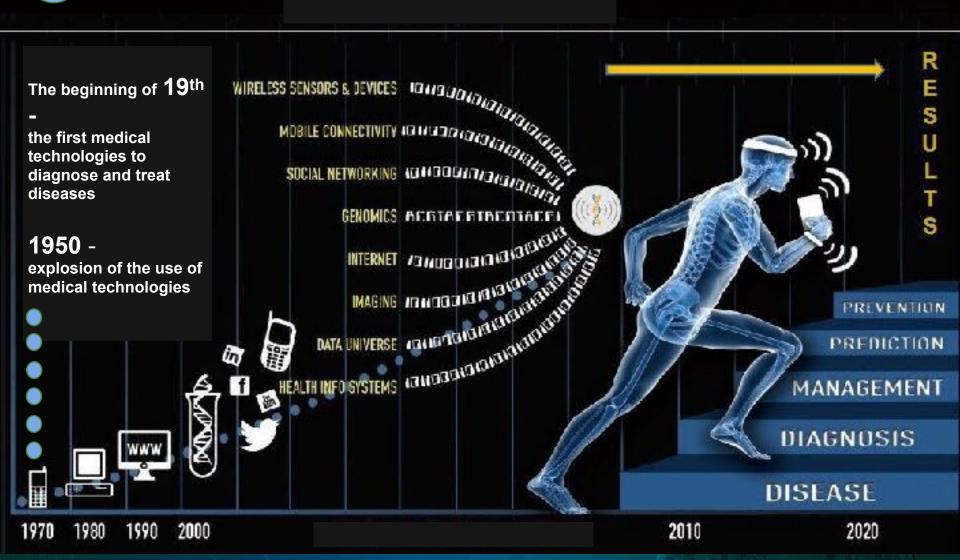
b. In China

2. Challenges

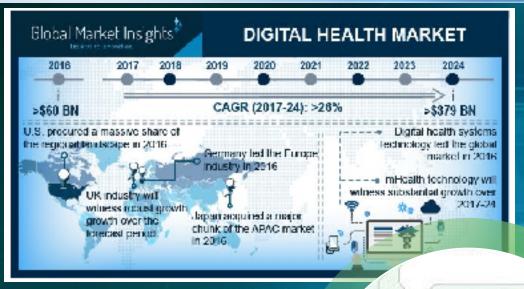
3. Solutions

# 1

#### THE DIGITAL HEALTH REVOLUTION



# The Digital Health (World & China)



**Mobile Healthcare Applications** 

#### Key World Trends:

- Wearable technology
- **Telemedicine**
- Addictive manufacturing
- Electronic health records
- Serious health games

**Electronic Medical Record (EMR)** 

**Hospital Information Systems** 

Picture Archiving and Communication System

A Quick Guide to Digital Health in China **Telemedicine** 

The radiology information systems

#### Healthcare Platform Classifications (World & China)

W1

- Inpatient clinical care
- Ambulatory & postacute care
- Financial/ Revenue cycle/HIM
- Value-based Care
- Services & Consulting
- Imaging systems & equipment
- Payer solutions

W2

- Patient
- Physician
- Enterprise
- Administrators

- Cloud
- IoT
- Al/Machine learning/ Blockchain
- Other



- Integrated technology platform: 平安科技
- Pharmaceutical companies / device providers: 乐普医疗,复跃、糖医
- Online hospitals / Medical examination centers: 春雨医生,平安好医生,爱康国宾,慈铭体检
- IT companies: 东软熙康
- CROs: 百奥知,泰格医疗
- Pharmacies: 老百姓大药房,

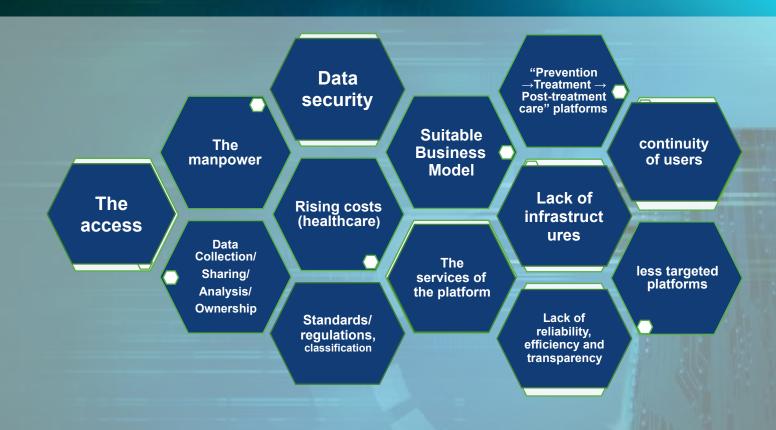
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2018



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### Challenges



### **Challenges & Solutions**

No clear standards, regulations

 Weak connection between regulators, physicians, inventors and patients

Shared knowledge base and training

regulations, standards/ guidelines; sharing new inventions in the field, trainings; insurance policies; prevention medicine

Data sharing, Security, and privacy

- The EHR data ownership;
- Different formats in different hospitals

**EHR** management

1. keep a copy of their data locally;

2. store all the EHRs in our platform in the Cloud

Healthcare rising cost

- Repeated examinations
- IT infrastructure and maintenance

Hospital Information System/ portal

billing, healthcare process management and reporting

**User** involvement

 Not all platforms are focusing firstly on a patient or healthcare consumer Normal user (patient) portal

Check his/ her medical records, reports, doctors feedback; devices; tracking of lifestyle; emergency

Manpower gap; Data Analysis

- Insufficiency of medical staff
- Most Medical data is not utilized for research purposes

Al

diagnosing and recommendations; better insurance policy; cutting costs; access for medical data for researches

Continuity of users

- Attracting more users and keeping those interest
- Need in offline and online oper. modes
- Suitable Business Model

Medical Facilities Rating

Rankings and reviews for hospitals, doctors, med.devices; startups

### "DigiHealth" Visions

Developing a unified shared healthcare service platform with the patient as the main focus



# "DigiHealth" System Diagram (Modules)

- Data security
- Infrastructure
- Sharing / Permissions

**EMR** (Electronic Medical Record)

- Researches
- Best practice
- AR games for trainings

Knowledge base & **Training** 

Medical facilities rating

Hospital Information Systems (HIS)

User **Portal** 

ΑI

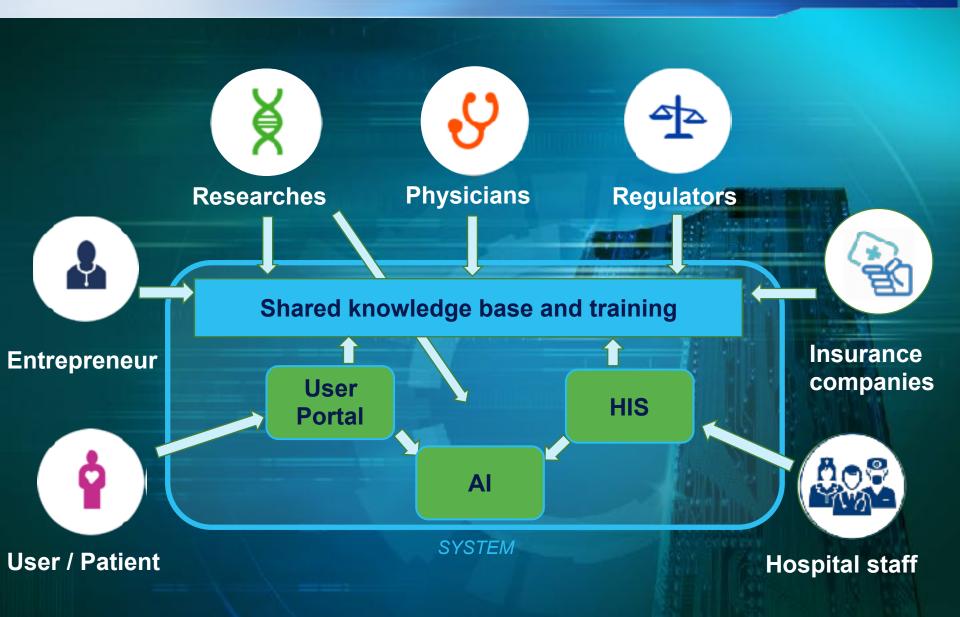
- Data analysis
- Help diagnose

Rating & review (doctors/ hospitals/pharmacies)

- Billing
- Process management
  - Reporting

- Records:
- Medications:
- Keep track of the lifestyle - View the readings (from devises)
- Predictions & Recommendations

# "DigiHealth" Scheme for Users



#### "DigiHealth" Business Ideas

EMR Electronic Medical Record

Healthcare Information
Systems

Research & Training (for private sector)

Partnership with companies, R&D centers and hospitals/clinics

