Change for better health
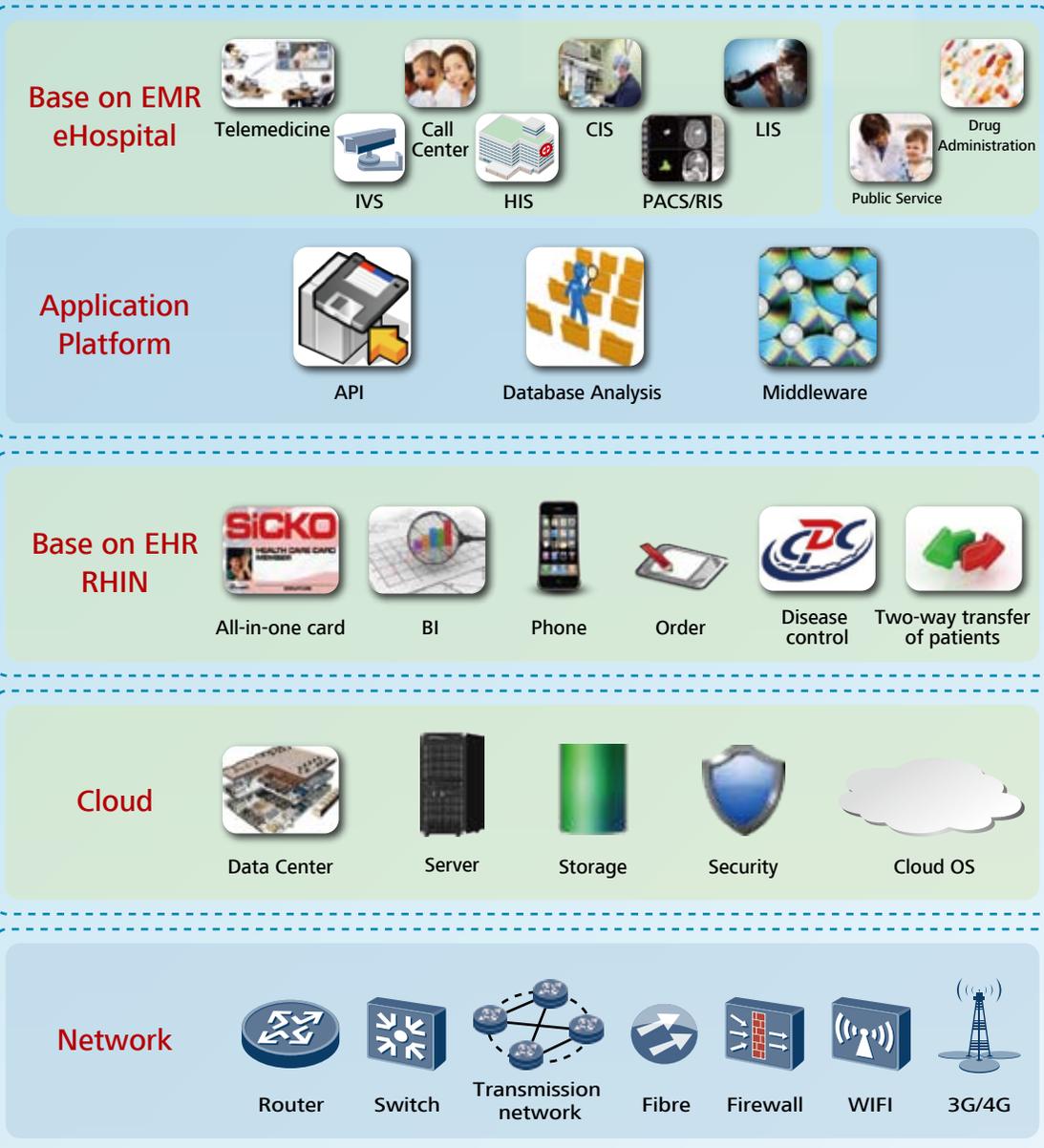
With the development of society, population growth, aging,the death rates of chronic disease is more and more prominent, the limitations of traditional medical model is more and more obvious,lack of understanding of patient information, medical resources are not shared, and inefficiencies affecting the healthcare industry progress.

Huawei provides regional medical ,eHospital and telemedicine solutions, comprehensive coverage of the medical industry, to help medical management agencies and hospital information system build, disease prevention, improve the efficiency of medical agencies.

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Standard HL7/DICOM Etc

Information Security

Base on EMR eHospital
- Telemedicine
- Call Center
- CIS
- LIS
- Drug Administration
- IVS
- HIS
- PACS/RIS
- Public Service

Application Platform
- API
- Database Analysis
- Middleware

Base on EHR RHIN
- All-in-one card
- BI
- Phone
- Order
- Disease control
- Two-way transfer of patients

Cloud
- Data Center
- Server
- Storage
- Security
- Cloud OS

Network
- Router
- Switch
- Transmission network
- Fibre
- Firewall
- WIFI
- 3G/4G

Huawei Regional Health Solution

Challenges

- Repetitive inspection
- Low quality of medical services
- The patient's health information record can not query
- Lack of cooperation between hospitals

Solutions

- Huawei provides end-to-end RHIN solution to increase the security of data and information, provides unified communications and collaboration to enhance the communication between medical agencies

Benefits

- Through RHIN strengthen cooperation between medical agencies
- Achieve EHR and EMR data shared
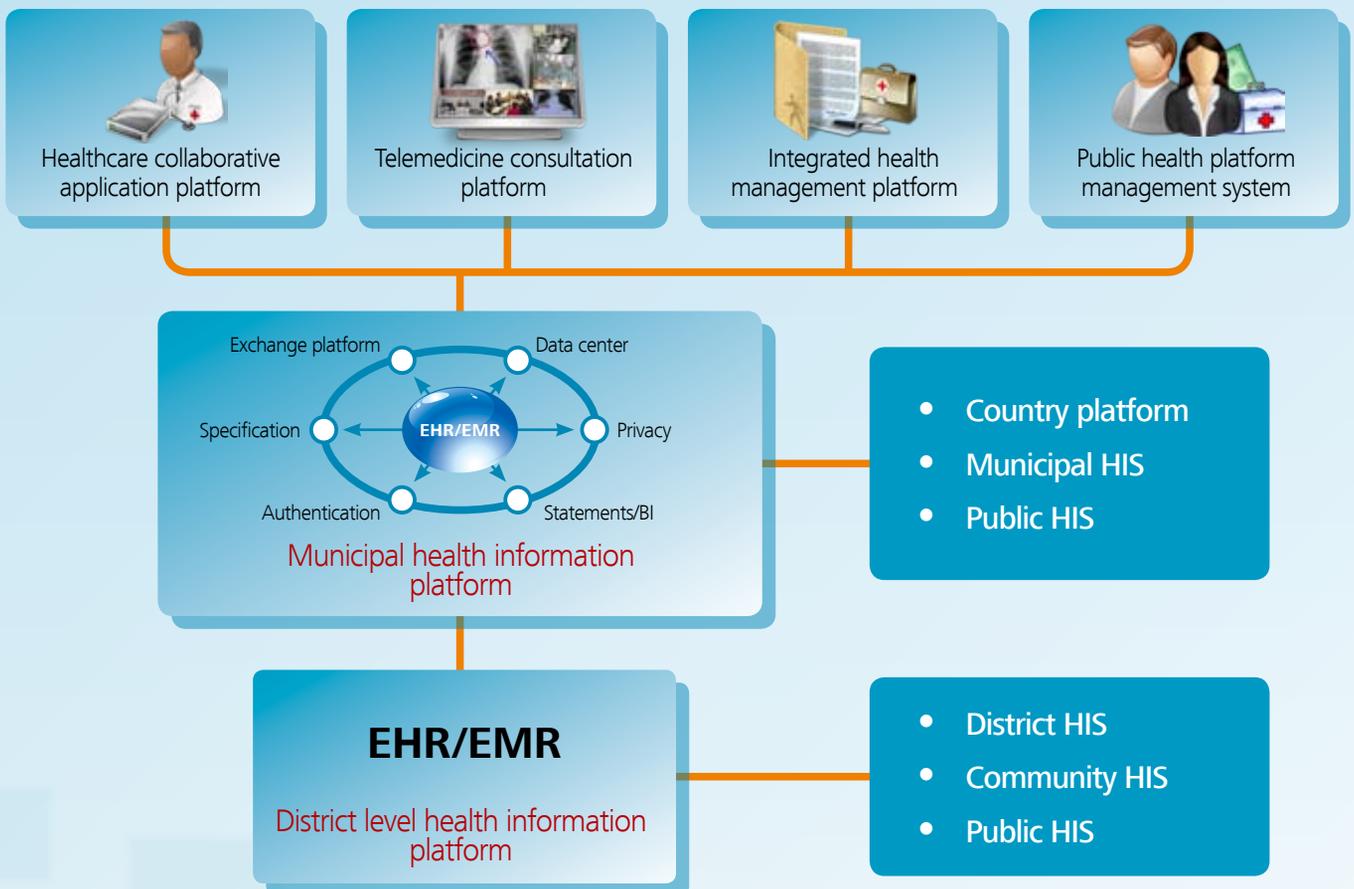- Improve disease prevention and control of medical agencies

Hospital

Community Hospital

Clinic Hospital

Regional Health Information Network

Health management agency

Regional Emergency

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HUAWEI

Success Case: Smart Health City of Ningbo

Challenges
- Lots of medical information sharing
- Lower security of health care network
- Lower disease prevention and response capabilities

Solutions
- Huawei provides safe and reliable RHIN to ensure storage and transmission of medical data,improve EMR and EHR data shared

Benefits
- Build RHIN ecosystems to break 'health information islands'
- Achieve EHR and EMR data shared
- Improve emergency response capacity of medical agencies

Healthcare collaborative application platform

Telemedicine consultation platform

Integrated health management platform

Public health platform management system

Exchange platform

Data center

Specification

EHR/EMR

Privacy

Authentication

Statements/BI

Municipal health information platform

- **Country platform**
- **Municipal HIS**
- **Public HIS**

EHR/EMR

District level health information platform

- **District HIS**
- **Community HIS**
- **Public HIS**

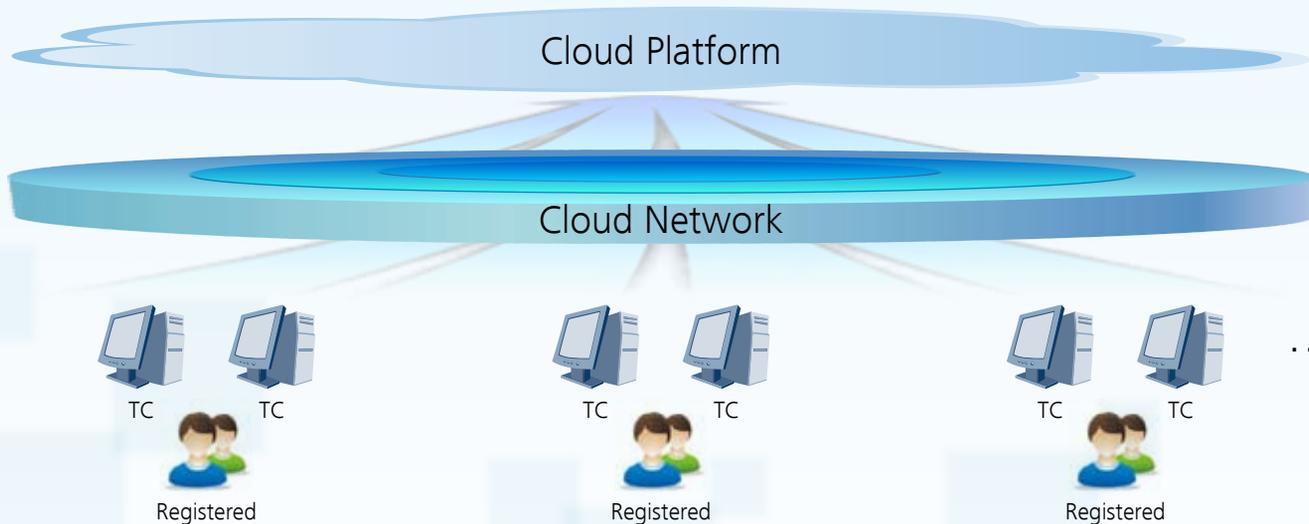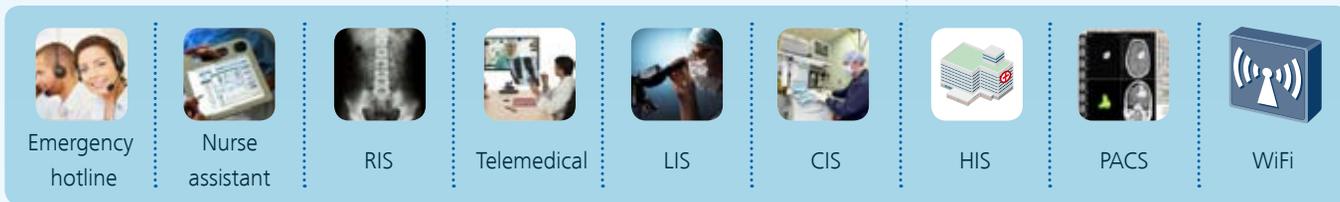# Huawei eHospital Solution

Challenges

- A large number of treatment difficulties
- Lower quality of patient care and experience
- Increasing costs and inefficiencies of healthcare services

Solutions

- Huawei eHospital can reduce cost and increase productivity by providing secure access to network resources and applications, meet healthcare requirement.

Benefits

- Huawei eHospital improves patient safety and clinical efficiency.
- Collaboration with members for efficient management of information and increased transparency
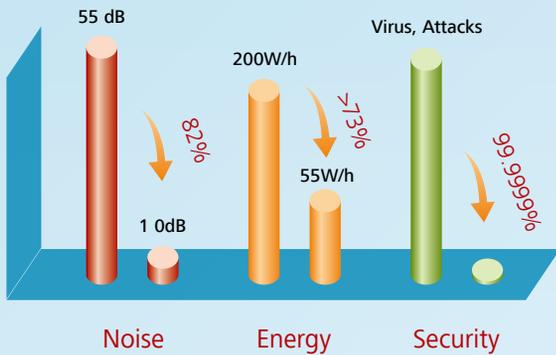
| Emergency hotline | Nurse assistant | RIS | Telemedical | LIS | CIS | HIS | PACS | WiFi |

Cloud Platform

Cloud Network

TC TC Registered TC TC Registered TC TC Registered ...

Success Case: Shanghai Hospital Health Cloud

Challenges
- Crucial need of healthcare informatization
- Insufficient and inefficient information platform
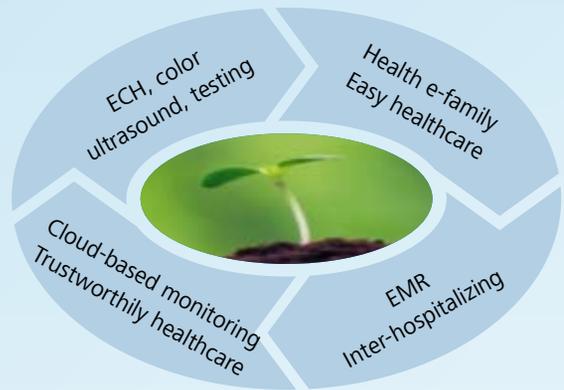- Insufficient soft services and great market pressures:

Solutions
- Tier-by-tier deployment, openness, and interoperability
- Modularization data center and technical security support
- Integrated deployment specifically for hospital customers with insufficient IT expertise.

Benefits
- Patient satisfaction improving
  - fast registration
  - fast payment
  - fast dispensary
- Cost reduction :
  - 70% in power
  - 75% saving in space
  - Uninterrupted services.

VDI: noise reduction, energy saving and low carbon

55 dB

1 0dB

200W/h

55W/h

Virus, Attacks

82%

>73%

99.9999%

Noise   Energy   Security

Healthcare cloud and community health cloud: health on hand

ECH, color ultrasound, testing

Health e-family Easy healthcare

Cloud-based monitoring Trustworthily healthcare

EMR Inter-hospitalizing

Efficient healthcare in Shanghai

Network cloud

Storage cloud

Computing cloud

Security cloud

Huawei Telemedicine Solution

Challenges

- Government:
  Uneven distribution of medical resourcesLow efficiency of medical aid Expert resources can not effectively use
- Hospital:
  Clinical teaching and seminars to carry out difficult
  Hospital clinic overcrowding
- Patient:
  Not the nearest medical treatmentMedical services experience

Solutions

- Open Compatible:
  System openness Standards Compatibility
- Extreme HD:
  By 1080P the ultimate HD true to the surgery image, HD lossless
- Multi-interface type:
  Seamless connection with the hospital PACS, HIS, LIS
- Low bandwidth:
  Super-low-bandwidth High quality image effects

Benefits

- Improve medical expert resource shared
- Promote the exchange of learning between the doctor
- Improve the hospital's emergency response capability

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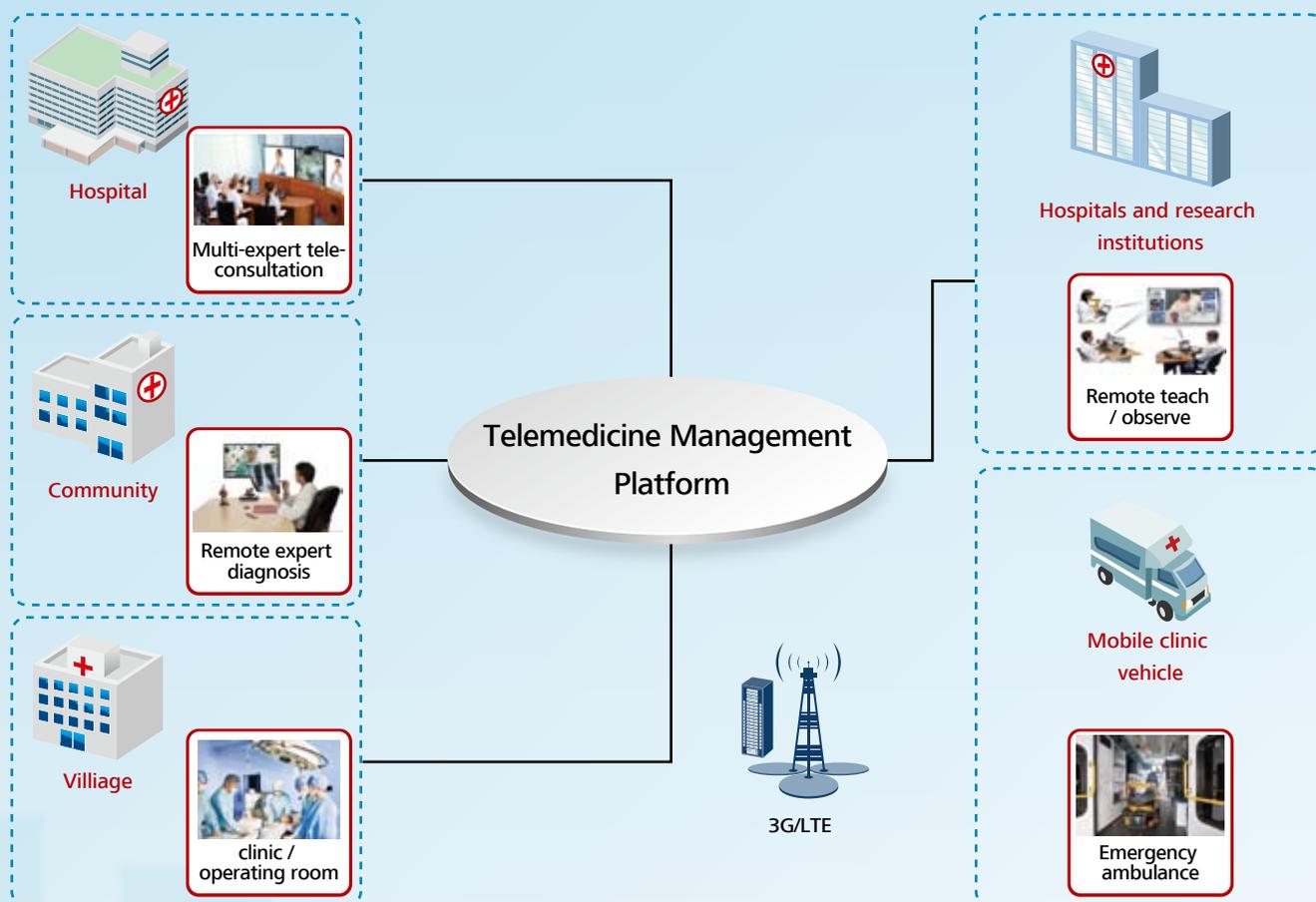# Success Case: Zhengzhou Remote Consultation Center

Challenges
- A lot of medical disputes.
- Lack of communication between doctors
- Doctors lack experience of clinic

Solutions
- The telepresence and HD end-points cover all of hospitals institutions.
- Telemedicine vehicles to achieve real-time communication between doctors and hospitals

Benefits
- Increase the number of patients
- Reduce patient cost savings
- Improve the utilization of health experts

Hospital

Multi-expert tele-consultation

Community

Remote expert diagnosis

Villiage

clinic / operating room

Telemedicine Management Platform

3G/LTE

Hospitals and research institutions

Remote teach / observe

Mobile clinic vehicle

Emergency ambulance