



Angel Robot AI Empowering Primary Care

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Healthcare Challenges in China

Check-in lines for seeing doctors



**1.3 Billion People
in China**

- 1. Inconvenient Service Access**
- 2. Excessive Service Cost**

*"I'm running nose..."
"Take a CT test first!"*



**Weak
Primary Care System**

**Lack of Primary Care
Physicians (PCPs)**

**Subpar
Service Capability**

**Low
Service Efficiency**

Meridian Medical Network Corp.



Vision

Making Health & Wellness Services Universal + Sustainable

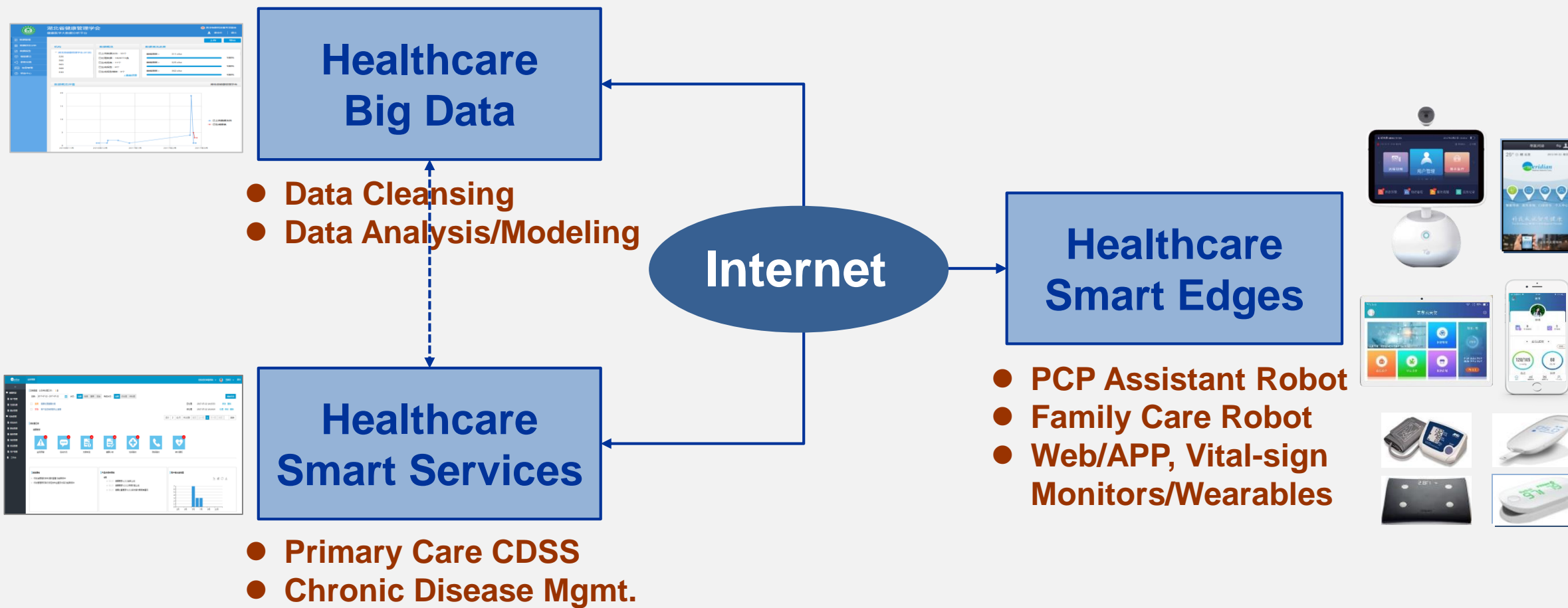
- **Meridian Medical Network Corp.** is a Healthcare IT company founded in Beijing, China in 2010 by seasoned executives who lived and worked in US/Silicon Valley for 20+ years
- Deep integration of **Big Data & AI** with **Medicine**, providing **Smart Healthcare System and Solutions** with nearly **100 million** people healthcare big data, **300+** hospitals for **AI-enabled Primary Care, Chronic Care and Elderly Care**

Meridian SMART Healthcare System

Data and Service Closed-Loop

Cloud Side

Edge Side



Meridian Angel Robot for Primary Care

AI Empowering Primary Care / Family Care



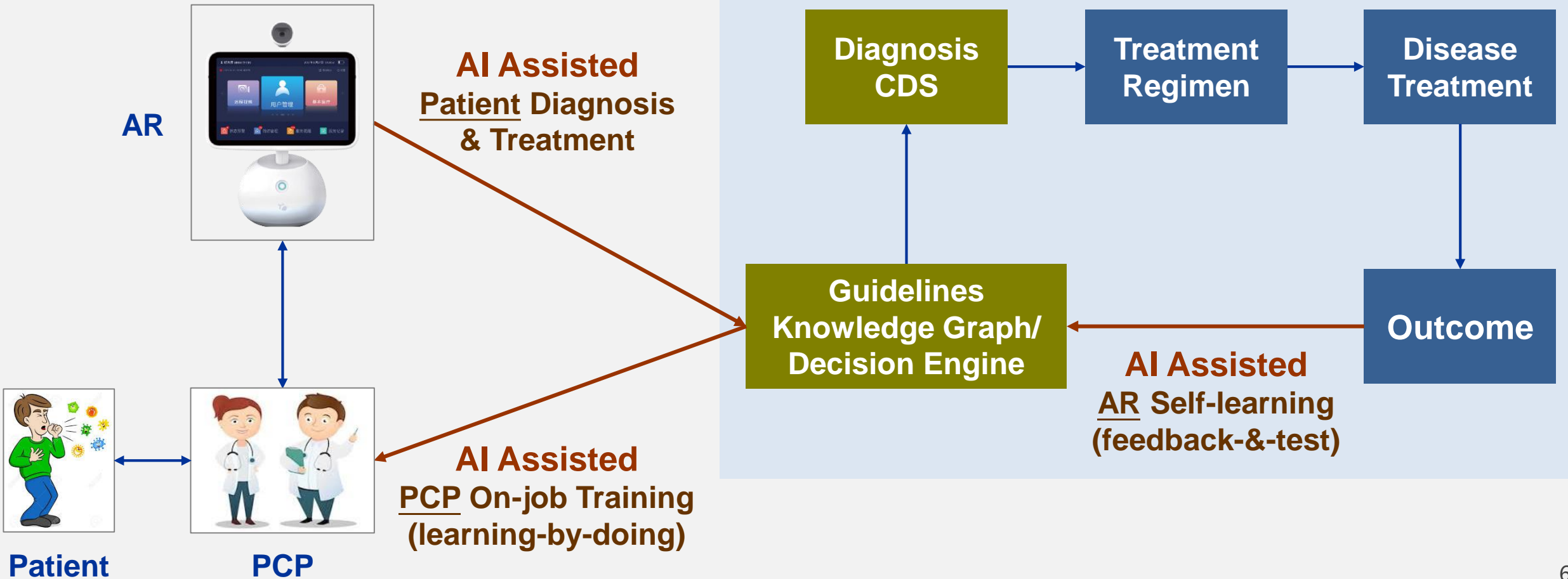
AR for Primary Care: AI Assisted

Basic Medicine: CDSS, Triage & Referral

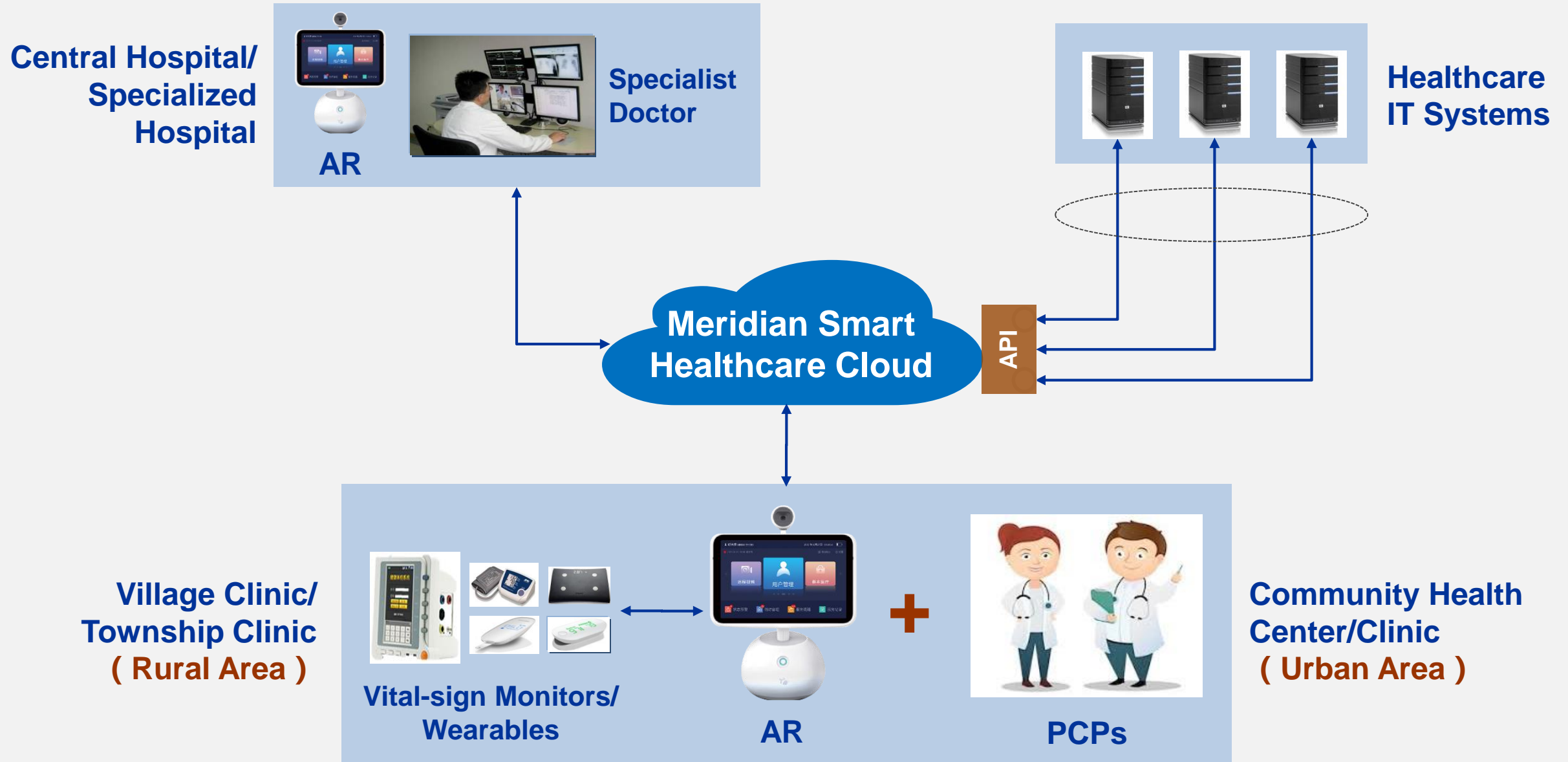
Public Health: Chronic Care, Health Assessment

Tele-Medicine: Video/Voice, Conference

AI Features: Facial/Voice Recog., Touch Screen



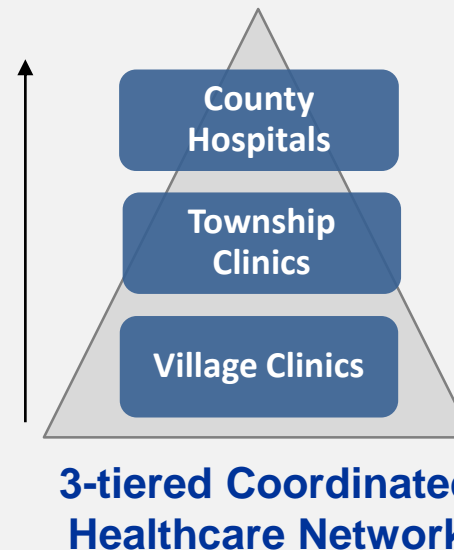
AR for Primary Care: Deployment



AR Field Trial: “Jingde Experiment”

The 1st Field Trial of PCP-Assisted Robot in China

- Deployed in the **County of Jingde, Anhui Province, China**
 - ✓ 10 towns, 68 villages, 150,000 population
 - ✓ 1/3 village doctors > 60 yr. old; 7 village doctors > 70 yr. old
 - ✓ 80 Angel Robots deployed
- Launched on Sep 14, 2017



Anhui Province, China

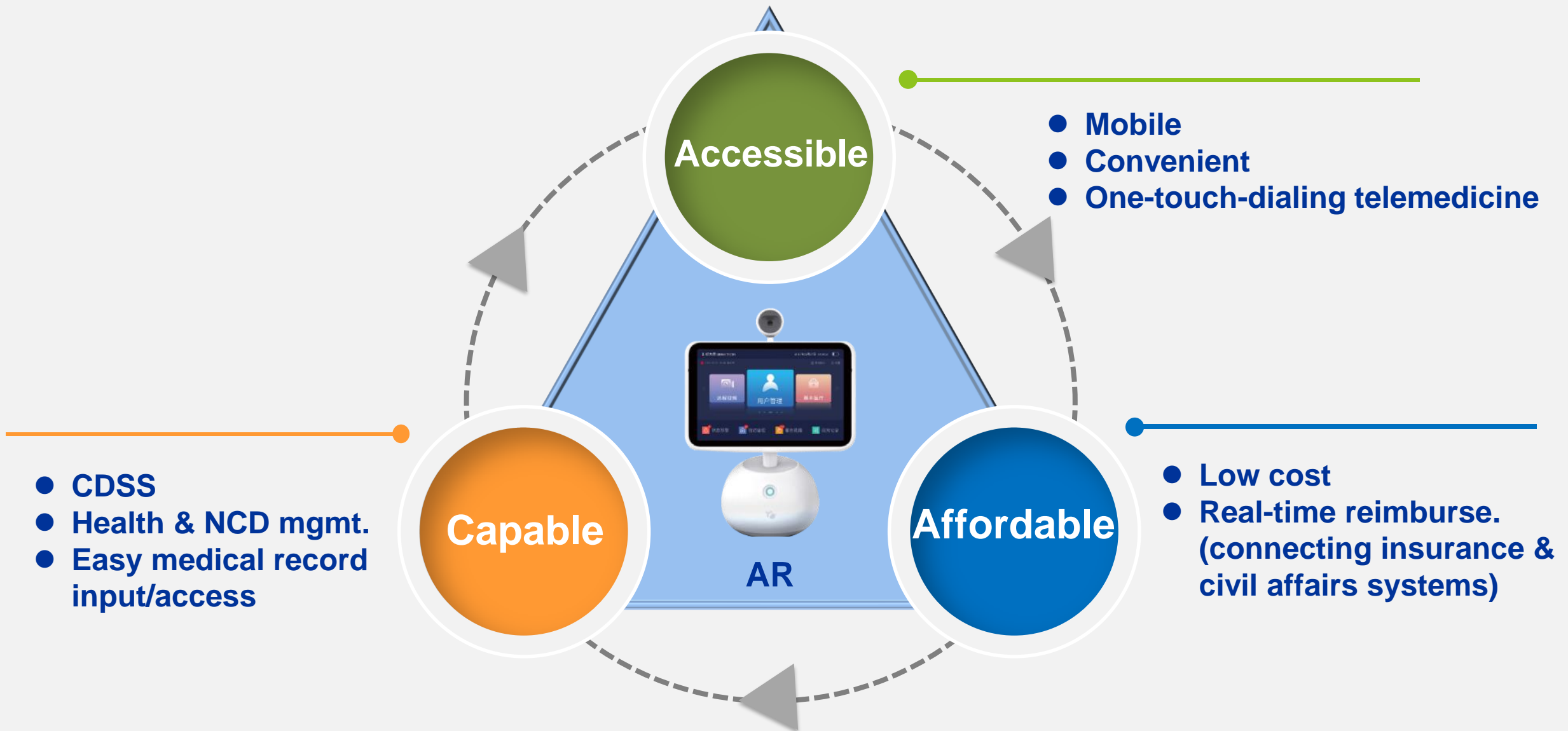


World Bank Delegation Appraisal

- Delegation from *the World Bank Health Reform Program-for-Results (PfR) Project for China* visited Jingde on May 21-22, 2018
- Concluded Angel Robot as:
 - ✓ Enabling “*People-Centered Integrated Care*” (PCIC)
 - ✓ Could be Adapted Globally
 - ✓ Recommended for Panel Case in *Lancet “Commission Report on Primary Care in China”* (Oct. 2018)



Key Values: Accessible, Capable, Affordable



Jingde Experiment: Highlights & Lessons Learnt

Government Issued Policy



Highlights	Lessons Learnt
A Policy-supporting Program – Payment & Incentive Mechanism	Sufficient Training is Very Important
AI-assisted Medical Services – CDSS, Chronic Care, Telemedicine	Clearly Define Clinical Liability – PCP’s Assistant
IT System Interoperability – Connecting All the “Silos”	Cybersecurity – Authorized Data Center & Policy for Access

Angel Robot Empowering Primary Care: *Better “Quality” and “Efficiency”*
Savings in the Social Medical Insurance Pool

Meridian SMART Healthcare Service Network

Meridian Smart Healthcare Cloud

Elderly Care



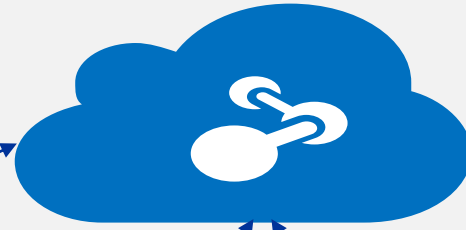
Elderly



Vital-sign



AR
(Family)



Hospital



AR
(PCP)



Specialist
Doctor

**Integrated Smart Healthcare
& Elderly Care Services**

Family



Family
Members



AR
(Family)



AR
(PCP)



PCP

Primary Care Clinic

Angel Robot Demo...





让健康服务惠及人人
Making Health & Wellness
Services Universal + Sustainable 关怀一生

Thank You!

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