

# Ping An Group Investor Day Healthcare Ecosystem

平安集团投资者开放日医疗生态圈

2020.9.22





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- 09:00 09:40 Ping An Healthcare Ecosystem 平安医疗生态圈
- 09:40 10:20 Ping An Good Doctor 平安好医生

Tea break 茶歇

- 10:40 11:20 Ping An Smart Healthcare 平安智慧医疗
  - 11:25 12:00 Q&A 问答



# 01

# Ping An Group Healthcare Ecosystem

平安集团医疗生态圈







# Jessica Tan

陈心颖

Group Co-CEO

平安集团联席首席执行官



# **Huge Market Potential**

#### 市场潜力巨大

#### Significant healthcare market potential

- Huge market size: Expected to grow from RMB 6trn in 2019 to RMB 16trn in 2030
- Significant demands from key stakeholders
- Supportive regulatory environment

#### 医疗健康市场潜力巨大

- 市场规模巨大:预计2019年到2030年将从6 万亿增至16万亿人民币
- 医疗生态圈各方需求显著
- 有利的政策监管环境

# Ping An Group Healthcare ecosystem has significant synergies

- Patient + Provider + Payor synergies
- Government Access + Technology synergies
- Insurance + Healthcare synergies

#### 平安集团医疗生态圈战略协同显著

- 用户+医疗服务提供方+支付方
- 政府+科技
- 保险+医疗健康

# PAG is a leading healthcare player in China, with unique advantages compared with insurance and internet companies

- Largest online healthcare user portal
- One of largest offline network of medical providers
- Leading healthcare technology capabilities

# 平安是中国领先的医疗健康企业,与保险公司和互联 网公司相比竞争优势巨大

- 最大的互联网医疗流量入口
- 领先的线下医疗服务提供方网络
- 领先的医疗科技水平



# Market: Driven by ageing population, consumer affluence & policy support

受人口老龄化、居民收入增长和政策鼓励驱动的庞大市场



12.6%

People of >65 years old1 65岁以上人口占比

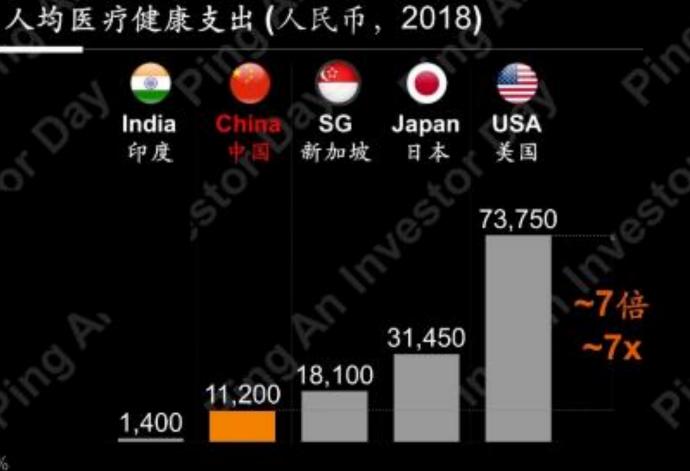


**Expected YoY growth of** disposable income 未来5年人均可支配收入年



"Healthy China 2030" 家战略

As national strategy "健康中国2030"已上升为国 Healthcare spending per capita (RMB, 2018)



China total healthcare expenditure (RMB)

中国医疗健康总支出 (人民币)





# Healthcare ecosystem stakeholders face significant pain points

医疗生态中各方的痛点凸显



Government 政府



Patients 居民



Providers 机构



Physicians 医生



Payors 支付方

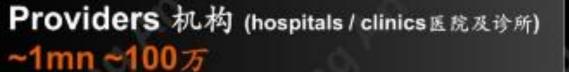


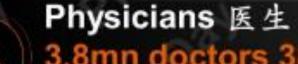
# Government: Significant task to achieve China 2030 Health aspiration

政府需要协助来实现健康中国2030的愿景







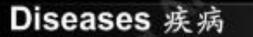


3.8mn doctors 380万医生

4.4mn nurses 440万护士



Pharma 医药 180k medicine SKU 18万种药品



88% deaths from chronic diseases 88%死亡由于慢性病

Lack of systematic and efficient supervision 缺乏系统化、高效监管

Large shortage of general practitioners 全科医生缺口大

Severe over-prescriptions / unnecessary medications 过度治疗问题严重

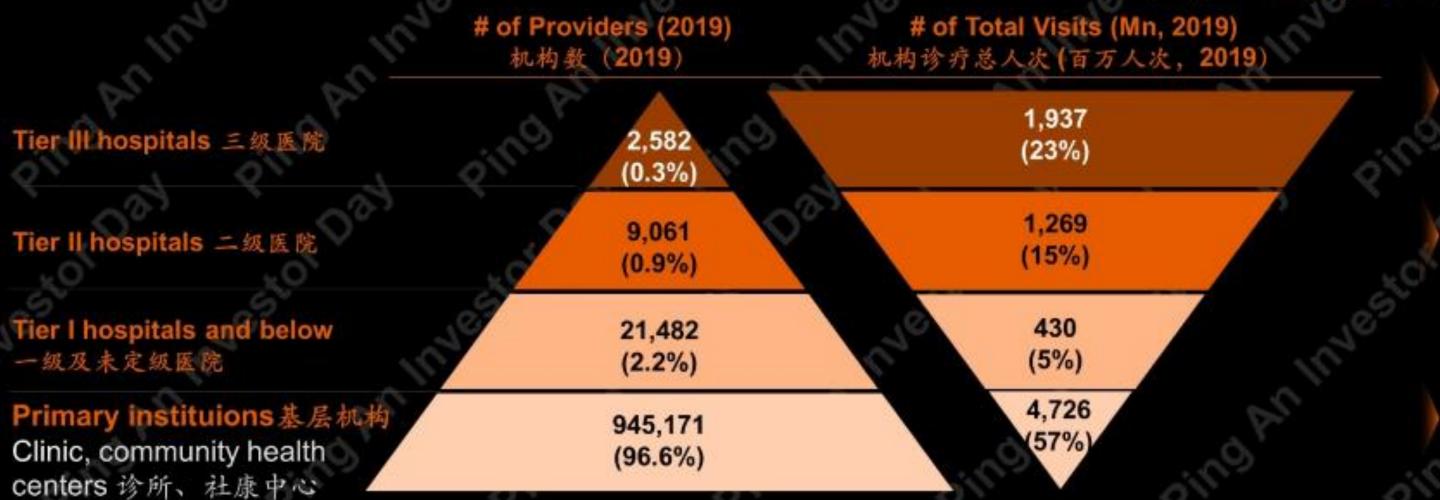
Low awareness of diseases 疾病知晓率低





# Providers: Under significant stress to provide quality services





#### Resources mismatch 资源配置错

23% of total patients are hospitalized at Tier III (0.3% of all) hospitals 小病大治,大病远治,23%病人集中在0.3%三级医院

## Lack of primary care capabilities 基层能力弱

Aged equipment, lack of accessibility to quality services 设备老化、缺医少药、医护资质差,群众信任感不足

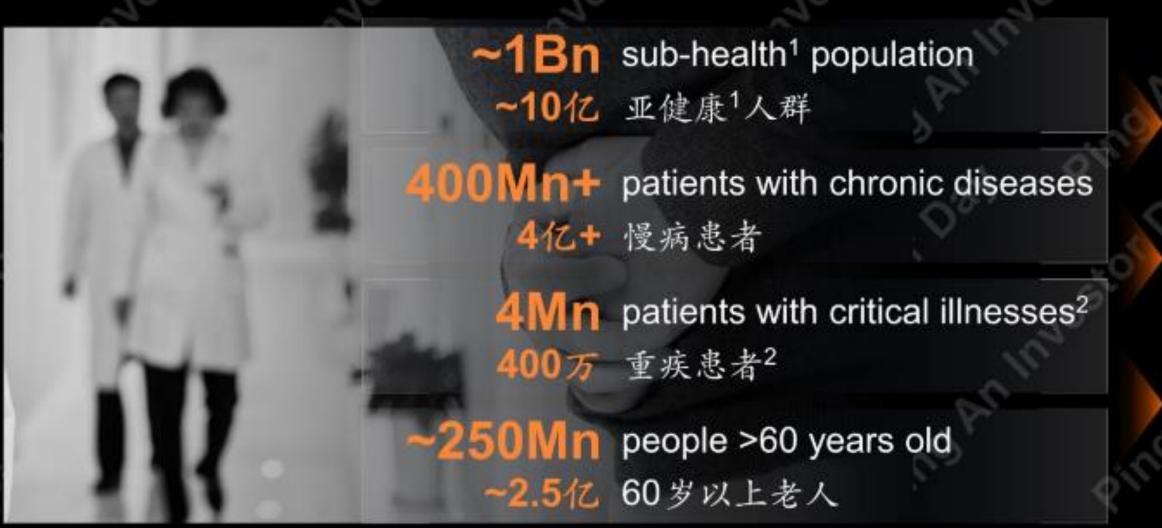
## Lack of integrated data infrastructure 数据孤岛多

Social Health Insurance policies vary across 300+ different cities, leaving city level data disconnected 300+不同城市的医保政策差异大,数据未贯通



## Patients: Inconvenient and expensive medical services

居民:看病难、看病贵



Long waiting time 非诊时间长

3hours 3小时

Waiting time

5min 5分钟

Actual consultation 实际就诊

**Expensive treatment** 

医院看病贵 2-3倍

Retail prices higher than ex-factory price medicine) 药品终端价格高于出厂价

60%

Non-necessary medications rate 非必要用药比例高达

Inconvenience in Social **Health Insurance** 

医保便利差

Online 线上

2-3x

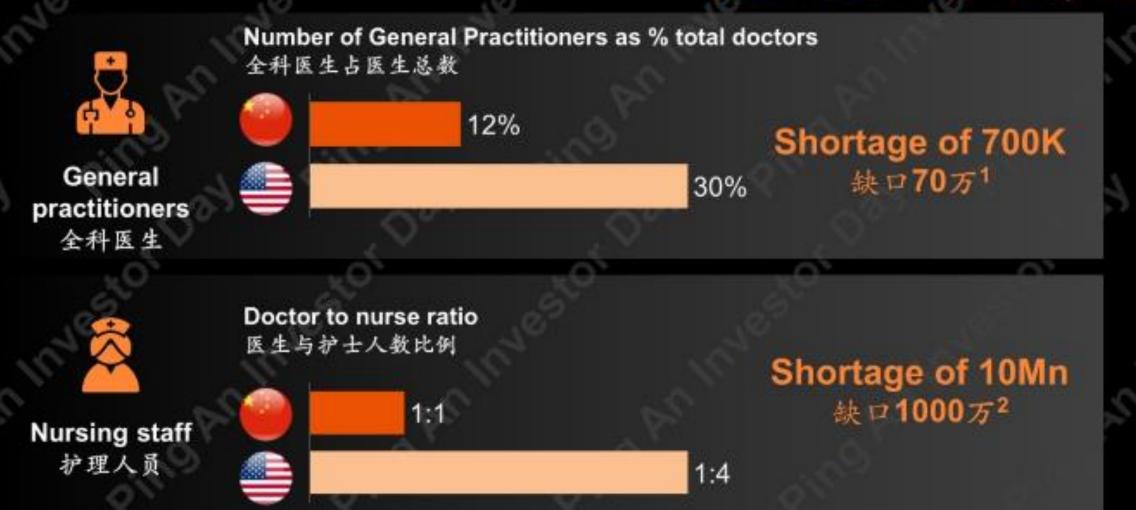
Difficult to settle Social Health Insurance payment online 医保线上支付难

<sup>1.</sup> Sub-healthy states refer to non-disease physical or mental disorders such as mild cervical pain and insomnia 亚健康指代非疾病的身体活心理不适,例如轻微颈椎疼痛和失眠; 2. e.g. cancer 以癌症为例



# 2020 HEALTHCARE Physicians: Insufficient medical staff support & sub-standard medical care quality

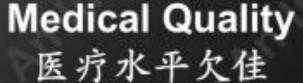
医生: 医护人员不足, 且基层医疗水平专业性欠佳



**Work Pressure** 工作压力大

>50hrs

70% doctors working hours per week 70%医生每周工作小时



<50%

Standardized treatment rate of primary healthcare institutions

基层医疗机构规范治疗率

<sup>1.</sup> The total number of Chinese doctors is 3.8 million, with general practitioners accounting for 12%. According to the proportion of general practitioners in the US, the shortage of general practitioners is 700K 中国医生总数380万、全科医生占比12%、按照美国全科医生占比30%、当前全科医生缺口70 万; 2. The total number of Chinese doctors is 3.8 million, and the ratio of doctors to nurses in the US, there is a shortage of 10 million nursing staff 中国医生人数380万、护士410万(医护比1: 1),按照美国医护比例1: 4,当前护理人员数口1000万



# 2020 HEALTHCARL Payors: Social health insurance under pressure and low commercial insurance proportion





#### 支付方: 医保支付承压, 商保覆盖较低





1. Government subsidies excluded 不包括政府补贴



# Regulation: Supportive regulatory environment, especially post COVID-19

监管: 国家出台很多有利的政策支持, 特别是在新冠疫情爆发之后



Internet + Healthcare 促进互联网+医疗

- · Allow internet healthcare to be eligible for reimbursement from Social Health Insurance (SHI) and as an important component of tiered diagnosis and treatment 允许互联网医疗接入医保并作为分级诊疗制度的一大重要组成
- Promote online services including telemedicine and online appointment 推动远程医疗、预约诊疗等服务
- Encourage data connection between internet hospitals and offline institutions 推进互联网医院与各级医疗机构的数据对接

# **Provider**

Hierarchical diagnosis and treatment 促进分级诊疗

- Encourage non-governmental capital to participate the development of providers 鼓励社会资本积极参与医疗机构发展
- Continue system reform towards tiered diagnosis and treatment 持续深化医疗制度改革,进一步促进分级诊疗
  (Divert patients to corresponding types of medical institutions based on the severity level of illness to avoid overloading best quality hospitals 根据病情轻重缓急进行分级,避免三级医院超负荷)

Insurance

Healthcare Management 促进健康管理

• Uplift the cap of health management cost of net premium income from 10% to 20% 将健康管理服务成本占净保费上限从 10%提高至20%



# Synergies

#### 战略协同

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- 政府+科技
- 保险+医疗健康

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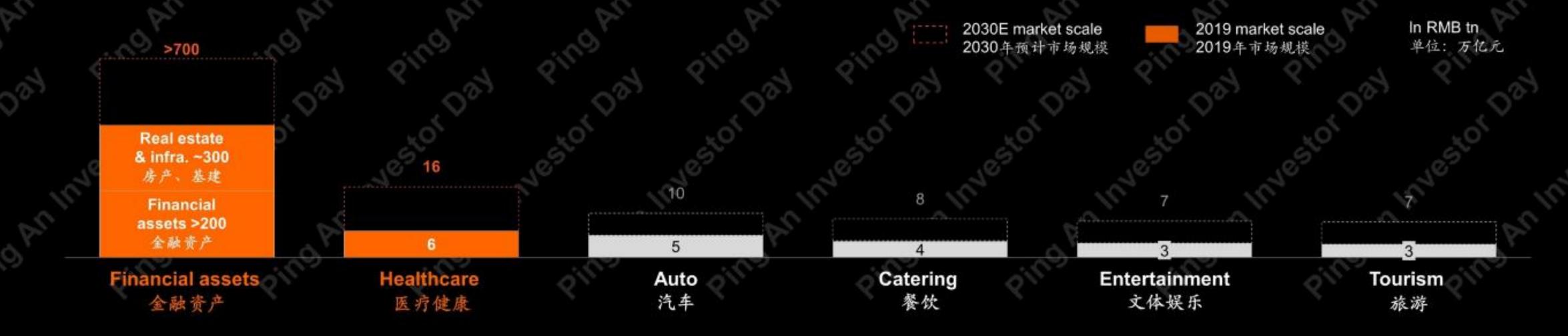
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- 领先的医疗科技水平



# Healthcare Ecosystem is one of long-held strategic focus of PAG

医疗健康生态圈是平安集团的长期战略核心之一

Financial + Healthcare "dual drivers" 全融+医疗 "双轮驱动"





# We have a long history of 20+ years in healthcare sector

平安在医疗健康领域已有20+年经验



Phase 3 阶段3 Healthcare ecosystem

医疗生态

Phase 2 阶段2

Healthcare services

医疗服务

Phase 1 阶段1 Insurance <sup>保险</sup> 2018

2012

平安创投

平安医疗科技

lealthcare Technology

2018

2017

2002

豆智慧医疗

Smart Healthcare

2014

平安领航基金

Voyager Global Fund

2019

平安医院管理团队

Ping An Hospital Mgmt.

2019

户田研究院

Toda Bio Research

🎨 平安好医生

Ping An Good Doctor

2016

平安医保科技

Health Konnect

2004

平安莠老保险

**Annuity Insurance** 

2005

平安健康保险

Health Insurance

1 阶段1

ance 平安海外控股

Overseas Holdings

Ping An Ventures

中国平安人寿保险

Life Insurance



# Ping An Healthcare Ecosystem across 12 entities

平安集团医疗生态圈包括12个子成员单位











#### Providers 服务方

Online 线上

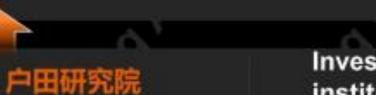




Offline 线下

平安医院管理团队 Hospital Mgmt Team

# Payor 支付



Toda Bio-research

Investment institution

Research institution 研究机构

平安医疗科技研究院 Healthcare Technology Research Institute 投资机构

Voyager Global Fund Ping An Ventures



# 3 synergies within Ping An Group Healthcare Ecosystem

平安医疗生态圈与平安集团有巨大的战略协同效应

# 横向打通 Horizontal

- Patient: Grasp patient flow and influence their behaviours
  用户端: 抓住用户流量,决策医疗健康行为
- Payor: Manage medical institutions and influence users
   支付端: 长臂管理机构,并影响用户
- Providers: Empower providers, generate product & service profit

服务方: 赋能服务方, 获取产品服务利润



- Serve government.: Leveraging core resources of hospitals, doctors, and medicine 服务政府: 撬动医院、医生、医药核心资源
- Technology: Empowers ecosystem and establishes a competitive moat

科技赋能: 赋能生态圈各成员, 建立竞争壁垒



- Customer Acquisition: 15-20% new retail financial services customer from healthcare ecosystem 助力获客: 15-20%新增金融客户来自医疗生态图
- Improve Quality: Higher # of contracts and AUM per customer 提高粘性: 医疗生态圈金融客户客均合同数更高
- Customer value: Higher value from financial services + health customers
- 提高客均价值:金融+医疗客户价值更高



# Ecosystem: Serve Patients, Providers, and Payors to maximize value

医疗生态圈协同:通过服务用户、服务提供方、支付方深挖价值



## Synergy 协同

- Patient: Grasp patient flow and influence behaviours
   用户端: 抓住用户,决策医疗行为
- Provider: Empower providers, get product & service profit 服务方: 賦能各服务方获取利润
- Daven Manage medical institution
- Payor: Manage medical institutions and influence users

支付端:长臂管理机构,并影响用户



# Ecosystem: Empower key stakeholders through government access and technology

医疗生态圈协同:服务政府撬动核心资源,建立科技壁垒



# Synergy 协同

- Government: Leverage government access to influence hospitals, doctors, and medicine 政府端: 服务政府,来撬动医院、医 生、医药核心资源
- Technology: Empower ecosystem and establishes competition barriers 科技端: 科技赋能生态圈各成员, 建 立竞争壁垒



# Insurance + Healthcare: Combination of personalized service and protection

保险+健康: 有场景、有温度、有服务的保险



每年新增金融客户来自医疗生态圈

Increase value of financial customers 来自医疗生态圈的金融客户带来更高价值

使用医疗服务的客户 Customers with PA healthcare service

不使用医疗服务的客户 Customers with PA healthcare service

3.1 Vs. 2.0

10k Vs. 5.6k

No. of financial contracts per customer 客均金融合同数

AUM per customer (RMB) 客均AUM (人民币)



# Significant Achievements

#### 成绩斐然

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# PAG is a leading healthcare player in China with unique competitive advantage

### 平安是中国领先的医疗健康企业, 具备独特的竞争优势

Government 政府

Best-in-class solutions 提供一流解决方案

- 30 provinces and 90 cities covered 30省份覆盖、90城市落地
- 95+% disease prediction accuracy 疾病预测精度95%+







Advantage vs. insurance companies 平安对比保险



公司的优势



Advantage vs. internet giants 平安对比互联 网巨头的优势

#### Patients 用户

China largest internet healthcare entry portal 中国最大互联网医疗流量入口

- 346mn users 3.46亿用户
- 830k daily queries 83万日均咨询量
- 67mn monthly active users 6700万月活跃 用户



#### Providers 服务提供方

Largest network of institutions and doctors in China 中国最大的医疗服务网络

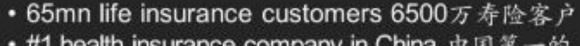
#### Online 线上

- 1800 in-house doctors 1800名驻司医生
- ~10,000 contractual experts ~1万名签约专家

#### Offline 线下

- served 服务机构数近2万、医生数45万

- ~20k institutions and 450k doctors
- 1000 global partnered hospitals 全球1000家合作医院
- 3 JVs with global leading pharmas 3家国际领先的医药合资公司



• #1 health insurance company in China 中国第一的 健康险公司

Payor 支付方

Leading in commercial & social health

insurance 中国领先的商保公司和医保服务商

 #1 in social heath insurance subsystem bidding 医 保子系统中标数第一





One of the largest medical databases in the world 全球最大的医疗数据库之一

- World 2<sup>nd</sup> most health-tech patent applications 医疗科技专利申请数全球第二
- 100 healthcare investments globally 全球医疗投资~100笔





# Government: Provide best-in-class solutions for government



政府: 为政府提供一流的解决方案

30

Provinces Covered 省份覆盖

0

Cities Covered 城市落地



**Enable Providers** 

管机构



**Enable Doctors** 

管医生



Enable Disease Control

管疾病



**Enable Pharmaceuticals** 

管药品

Potential Hospital Cost Saving 潜在医院成本节约

60%+

Clinical Service Quality Improvement 临床医疗质量提升

95%+

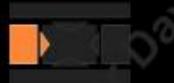
Prediction Accuracy of 42 Diseases 42种疾病预测准确率

130

Traditional Chinese Medicine Production Standard 中药生产标准



# Patients: China largest internet healthcare entry portal



用户:中国最大互联网医疗流量入口

Health Management 健康管理 Medical Care Management 医疗管理 Chronic Disease Management 慢病管理 Critical Illness Management 重疾管理

Smart Elderly Care 智慧养老体系

346mn 3.46亿

Users Covered<sup>1</sup> 用户数 830k 83万

Daily Queries<sup>2</sup> 日咨询量 67mn 6700万

Monthly Active Users<sup>3</sup> 月活用户数

#1 internet healthcare user base in China

中国最大的互联网医疗用户数

internet health peers with health e-commerce as main business 不包括以医疗电商为主要业务的互联网医疗竞争对手

#1 in China 中国最多 > Combined MAU of top 2-10 peers<sup>4</sup> 超过互联网医疗行业前2-10家公司<sup>4</sup>的合计总量



# Providers: One of largest offline network in China



服务提供方:中国领先的线下网络



# 平安好医生 PAGD





平安智慧医疗 Smart Healthcare



110k

Partnered Pharmacies 合作药店数

1,800

In-house Medical Team 自建医疗团队

~10k 近万名 Contractual Experts 签约专家 ~20k

近2万

Institutions Covered 机构覆盖数

450k 45万

Doctors Served 服务医生数

1,000+

Global Hospital Network 全球合作 医院网络

#1 in China 全国第一



# Payors: Leading in both commercial insurance and social health insurance



支付方: 领先的商保公司及医保服务商

#### Commercial Insurance 商保

Social Health Insurance 医保

Life Insurance 寿险

Life Insurance Customers<sup>1</sup> ~6.5千万 人寿保险客户1

Health Insurance 健康险

Rank of Health Insurance Premium in China 健康险保费规模国内排名

Service covered 服务覆盖

Cities Covered 服务医保城市

Subsystem covered 子系统覆盖

Wins out of 73 biding subsystems 开标的73个子系统中标数量

Ranking among subsystem providers 中标子系统数量在供应商中排名

1. Effective policy holders 有效保单的投保人



# Technology: We developed one of the largest medical databases in the world



科技:全球最大的医疗数据库之一



Largest Healthtech Patents Application 医疗科技专利申请数

World Champions of Medical Imaging<sup>1</sup> 6项医疗影像国际竞赛

Medical Literatures 3.3 千万 医学文献

36mm Medical Relationships 3.6千万 医学关系

Disease 30,000+ Covered 疾病覆盖数 Medical Records 就诊数据

300mm Service Usage 3亿次 医疗科技调用次数 180K Drug Instructions 18万 药品说明书



## Recap: Key message

回顾:关键点

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# PAG is a leading healthcare player in China, with unique advantages compared with insurance and internet companies

- Largest online healthcare user portal
- One of largest offline network of medical providers
- Leading healthcare technology capabilities

# 平安是中国领先的医疗健康企业,与保险公司和互联

#### 网公司相比竞争优势巨大

- 最大的互联网医疗流量入口
- 领先的线下医疗服务提供方网络
- 领先的医疗科技水平



# Ping An Good Doctor平安好医生







# Weihao Fang

方蔚豪

Ping An Healthcare and Technology Company Limited Acting Chairman and CEO

平安健康医疗科技有限公司临时董事会主席、首席执行官



#### Introduction

介绍

PAGD is largest internet healthcare entry portal in China: 346mn registered users, 830k daily queries, 67mn MAU

PAGD enjoys a synergistic role within Ping An Groups' broader Healthcare Ecosystem: customer resources (210mn financial service customers), channel resources (4mn+ corporate clients), and healthcare technology

launched in mid 2020: More diversified channels, more innovative services, and more enhanced capabilities in doctor and offline network

We continue to deepen bridge between

平安好医生是中国最大的互联网医疗流量入口: 3.46亿注册用户,83万日咨询量,6,700万月活

平安好医生具有与平安集团医疗生态圈强大的协同效应: 平安集团生态圈为平安好医生提供客户资源(2.1亿金融用户)、渠道资源(超400万企业客户)、医疗科技支持

我们于2020年中开始全面战略升级,进一步打造专业的医患沟通桥梁:更多元化的渠道,更创新的服务,更深入的医生网络、线下服务网络



# PAGD is the leading internet healthcare service provider in China

平安好医生是中国领先的互联网医疗服务平台

Complete user scenarios 完善用户场景

Accumulate traffic and data 流量及数据积累

Sustainable revenue growth model 可持续收入增长模式



**Establishment** 成立

100mn+ registered users 注册用户 突破1亿

Listed in Hong Kong Stock Exchange 港交 所上市

"Private Doctor" 发布产品 "私家医生"

Launched

300mn+ registered users 注册用户 突破3亿

Launched strategic upgrade 进行战略升级

Mid 2020

7 x 24



Access to quality online healthcare

高质量在线医疗服务



2014.08

2016.12

2018.05

2019.08

2019.09

2020.04

HK\$100bn+

market cap

市值突破

千亿港元



# We aspire to be China's largest internet vertical entry portal

我们致力打造中国互联网垂直领域最大的流量入口

Among internet vertical areas, healthcare<sup>2</sup> is expected to be the No.1 traffic portal in the future 在所有互联网垂类领域中,医疗健康<sup>2</sup>将会是未来流量最大的领域

No.2 Today 今天 No.1 in 5 years 五年后

Total market MAU rank of Internet healthcare among all internet vertical areas 互联网医疗行业月活在互联网各垂直领域中的排名

PAGD is largest internet healthcare entry portal in China 平安好医生是中国最大的互联网医疗流量入口

MAU 月度活跃用户





Top 2-10

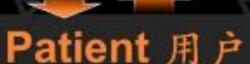
PAGD's MAU exceeds combined MAU of top 2-10 peers<sup>1</sup> 平安好医生的月活超过互联网医疗行业前2-10家公司<sup>1</sup>月活的合计总量

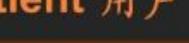


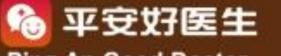
# PAGD is a synergistic entity within PAG Healthcare Ecosystem

平安好医生是平安集团医疗生态圈的重要战略组成









**Ping An Good Doctor** 

Grasp users 抓取用户



Technology 科技

Research institution 研究机构

平安医疗科技研究院

Healthcare Technology Research Institute



Investment institution 投资机构

Voyager Global Fund Ping An Ventures

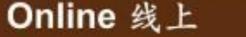
平安创投

平安海外控股 Overseas Holdings

#### 平受智慧医疗



#### Providers 服务方





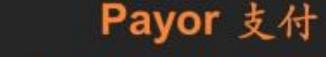
Online component 线上服务



#### Offline 线下







Annuity Insurance

Empower insurance 賦能保险









# We are building a bridge between patients and doctors

我们为用户搭建专业的医患沟通桥梁

A Bridge between Patients and Doctors



Health 健康

Health management

Sub-health
management

Management



Medical 医疗
General Sp
practice he

Specialized healthcare 专科医疗



F Ping An Healthcare Ecosystem Resources 平安医疗生态圈资源

**Quality brand** 

品质品牌支撑

Channel resources

渠道资源支撑

亚健康1管理

Client resources

客户资源支撑

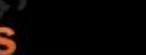
Healthcare technology

医疗科技支撑

健康管理



### 4 Channels: Individuals, insurers, corporates, internet hospitals



四大流量渠道:个人用户、保险服务、企业服务、互联网医院

Provide 346mn users 1 with 7 x 24 access to quality online healthcare

为3.46亿用户1提供7x24小时的高质量在线医 疗服务

Individual customers 个人用户

Corporate services 企业服务

Insurance services 保险服务

Combined healthcare services and insurance for 210mn PAG financial service customers<sup>2</sup>

为平安集团2.1亿金融客户2创造保险与健康服务的 深度结合

Internet hospitals 互联网医院

4 internet hospitals launched<sup>3</sup>

上线14家互联网医院3

Innovative health solutions for 4mn PAG corporate clients

为平安集团400万企业用户打造创新健康方案

1. Registered users as of 2020.6.30 恭至2020年6月30日的注册用户; 2. As of 2020.6.30 恭至2020年6月30日的注册用户; 3. Internet hospitals are virtual hospitals are virtual hospitals are virtual hospitals are virtual hospitals. (SHI) once approved 互联网医院是基于实体医院在线上提供诊断、处方和治疗服务的虚拟医院,如获得批准可接入社会医保系统获得报销; Number of internet hospitals launched as of 2020.6.30, and is still growing 截至2020年6月底的上线互联网医院领量,仍在增长中

平安好医生



### 2020 HEALTHCAR. Case example (B-end): Professional, convenient, and reliable corporate clinics



B端案例:为企业用户打造专业、便捷、安心的企业医务室

#### Dedicated medical team 专属医护团队



Dedicated in-house general doctor 专属驻司全科医生



Rotated in-house specialized doctors 定期驻司专科医生

#### One-stop smart healthcare terminal 一站式智能医疗终端



24 availability 7 X 24小时

Zero-waiting 0等待

Video consultations 远程视频问诊

### Corporate health dashboard

企业健康指标全视通



Visualized health data of employees 员工健康数据可视化

Already covered 500+ corporates for healthcare and medical check services 已覆盖500+家企业医疗健康及体检服务

Potential 未来潜力

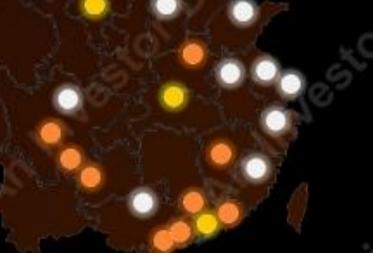
Innovative health solutions for 4mn PAG corporate clients 为平安集团400万家企业用户打造创新健康方案



### Case-example (H-end): Leading internet hospital builder and operator

H端案例: 领先的互联网医院解决方案提供商

Launched 14 internet hospitals 已上线14家互联网医院





- 14 Internet Hospital in operation
  - 14家已上线互联网医院
- 3 connected to Social Health Insurance
   3家已打通医保



- Online diagnosis and prescription 在线问诊处方
- 1h drug delivery
   1小时药品配送



- Online appointment
   线上挂号
- digital medical record
   电子病历





Illustrative

图标仪作参考







### Doctor network: Personalized virtual offices to empower doctor ecosystem



#### Doctor virtual office

医生工作台



Doctor virtual office addressing 5 needs of doctors: research, income, branding, capability, and efficiency

专属医生工作台赋能医生,满足医生学 术、收入、品牌、能力、效率五大需求



Renowned loctors

National experts 全国顶尖专家



External doctors

~10,000 contractual specialists1 ~1万名签约专家1



In-house doctors 驻司医生

Medical team<sup>2</sup> 1.8k+ 医疗团队2 1,800人+



Al doctor assistant AI医生助手

3k+ common diseases 3千+常见病覆盖

**Brand** 

创品牌

**Professionalism** 

保专业

Convenience 增便捷

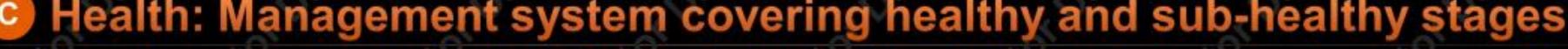
Efficiency

提效率









1 file per person

一人一档

Online health records 电子健康档案

Massive health data accumulated throughout entire management process 积淀海量数据, 贯穿健康管 理全周期

健康: 打造全周期健康管理体系 Care from private doctors 以私家医生为核心的全面管理

> Exercise 健康运动

Healthy lifestyle 健康生活

Workplace care 职场照护

Consumer healthcare 消费医疗

Target sub-healthy population mgmt.

人群管理

Multi-pronged management

多管齐下

Online: professional coaches

线上:专业指导







Dental care 口腔

Pharmacies

Fitness Beauty care Health checkup 体检 Rehabilitation

Offline: 160k+ partnered institutions

线下: 16万+合作机构

O2O<sup>2</sup>



### Medical: Specialty-driven medical services

#### 医疗: 专科引领的医疗服务

Specialty-driven 专科引领

820mn+ cumulative queries<sup>1</sup> 8.2亿+次累计咨询量1

23 hospital departments covered 23个医院科室覆盖



Smart phone and other intelligent terminals 手机及智能终端



Photo and text



Phone









Vital signs 测量体征

#### Seamless O2O4 线上线下全打通



Online to offline testing services 检测0204闭环



Follow-up management





Referral and group consultation 转诊会诊



Private doctor

私家医生



### Ping An Doctor Home: A bridge connecting needs of patients and doctors



平安医家: 匹配医患需求, 搭建医患桥梁







~10,000 external doctors using our online office 为平安好医生平台上~1万的外部医生打造专属服务平台





Lifelong health services for 210mn financial service customers and 50mn families of Ping An Group 为平安2.1亿金融客户、5000万个家庭提供伴随一生的健康呵护





孵化于平安集团, 具有强大的协同效应

 Brand reputation of Ping An can evoke user's immediate trust 平安的品牌声誉可以即 刻唤起用户信任

诊疗工具AskBob (45万医生) 等全方位服务

**Quality Brand** 品质品牌

 Ping An Smart Healthcare provides smart technology solutions covering supervision platform, disease prediction, AskBob clinical support (450k doctors), etc. 平安智慧医疗提 医疗科技 供包括一体化监管平台、智能疾病预测、辅助

Healthcare Technology



Client Resources 客户资源  Cross-sell to the large financial service customer bsae of Ping An Group 面向平 安集团的大量金融客户行进交叉销售

Channel Resources 渠道资源

 Well positioned to benefit from the close relationship with corporate clients for new business expansion

和企业客户的紧密合作可助力新业务拓展

1. As of 2020.6.30 截至2020年6月30日



### Strategic upgrade: Channel, service and capability upgrade since mid 2020

战略升级: 自2020年中开始聚焦渠道、服务、能力三大方向



### Channel upgrade 渠道升级

C-end

I-end 保险服务

个人用户





### Service upgrade

服务升级

Medical 医疗

Medical + Health 医疗+健康

Private doctors 私家医生 Private doctors + Family doctors 私家医生+家庭医生



### Capability upgrade

能力升级

In-house medical team 自建医疗团队 In-house + External doctor network 自建+外部医生网络

Online-focused 专注线上

Online + Offline 线上+线下



### Summary: PAGD enjoys a dominant market position in internet healthcare

总结: 平安好医生持续领跑互联网医疗市场



# Largest internet healthcare entry portal 最大的互联网医疗流量入口



### Largest in-house doctor group

最大的自建医生团队



#### Largest offline network

最大的线下服务网络

Registered users	346mn
注册用户	3.46亿
MAU	67mn
月活用户	6,700万
Daily queries	830k
日咨询量	83 7

n-house medical team 注司医护团队	1,800+
Common diseases covered 常见病诊疗覆盖	3,000+
External experts nationally 医生生态聚集全国专家	~10,000

artnered pharmacies¹	110k+
-作药店¹	11万+
artnered clinics²	49k+
作诊所²	4.9万+
ealth check-up centers³ 检中心³	2,000+

<sup>1.</sup> Ping An Good Doctor's Pharmacy Collaboration as of 2020.6.30 截至2020年6月底使用平安好医生药店云服务的门店; 2. 1. As of 2020.6.30 截至2020年6月30日



### Exceptional financial performances in 2020H1

2020年上半年财务表现亮点

695

2020H1



### Membership products<sup>1</sup> revenue 会员产品1收入 (RMB in million, 百万人民币)



<sup>1.</sup> Membership products such as Health 360 for critical illness insurance customers, Private Doctor for corporate clients, etc. 会员产品包括为重线险客户提供的就医360服务包。为企业客户提供的私家医生服务包等



### Recap: Key message

回顾: 关键点

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We continue to deepen bridge between patients and doctors with strategic upgrade launched in mid 2020: More diversified channels, more innovative services, and more enhanced capabilities in doctor and offline network

我们于2020年中开始全面战略升级,进一步打造专业的医患沟通桥梁:更多元化的渠道,更创新的服务,更深入的医生网络、线下服务网络



# 03

### **Smart Healthcare**

智慧医疗







### Geoff Kau 高孟轩

Co-President, Ping An Smart City CEO, Ping An Smart Healthcare 平安智慧城市联席总经理平安智慧医疗首席执行官



### Guotong Xie 谢国形

Chief Healthtech Scientist Ping An Group 平安集团首席医疗科技科学家



### 2020 HEALTHCAR Smart Healthcare: Empower key stakeholders through gov't access and tech

智慧医疗:纵向打通,服务政府撬动核心资源,建立科技壁垒



### Synergy 协同

- Government: Leveraging core resources of hospitals, doctors, and medicine
- 政府端: 服务政府, 来撬动医院、医 生、医药核心资源
- Technology: Empowers ecosystem and establishes barriers of competition

科技端: 科技赋能生态圈各成员, 建 立竞争壁垒



#### Introduction

一组

Market attractiveness: Significant market potential for smart healthcare solutions across ecosystem, with diversified revenue model

市场吸引力: 跨生态圈的智能医疗解决方案具有巨大的市场潜力, 收入模式多元化

Ping An Smart Healthcare: Provides best-in-class solutions to 90 cities, 20k providers, 450k doctors and 2.5mn patients

平安智慧医疗: 为约90座城市、2万家医疗服务提供者、45万名医生以及250万名患者提供一流的解决方案

#### Global leading technology capabilities:

World's largest smart clinical support platform, chronic disease management platform and medical database, second highest number of patent application in the world

全球顶尖科技实力:全球最大智能诊断辅助平台、全球最大慢病管理平台、全球最大的医疗数据库、全球第二医疗科技专利申请数



### Smart Healthcare targets the four key pillars in healthcare system

智慧医疗致力于医疗系统的四大核心领域

### Ping An Smart Healthcare Solution

平安智慧医疗解决方案



Enable Government 赋能政府





Enable Providers 管机构



nable Doctors 医生



Enable Disease Control 管疾病



Enable Medicines 管药品



Healthcare Technology Driven 医疗科技驱动



### China healthcare market has great potential with diversified business models

#### Market 市场

中国医疗市场有着巨大潜力, 变现模式多元

Four addressable markets as example: 以四大潜在市场为例

Providers 机构

**Total Hospital** Spending<sup>1</sup>

医院总费用1

Doctors 医生

**Total Doctor** Spending 医生总费用



1.4trn

1.0trn

RMB 人民币



5.0trn

5.0万亿



**Public Health** 5.3trn Gov. Spending 5.3万亿

Pharmaceutical & device market<sup>2</sup>

药械市场规模2















6.2trn 6.2万亿

RMB 人民币

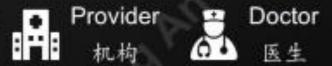
#### System & software Revenue

软件系统收入



平台搭建 Government





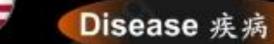


Corporation 企业



Pharma 药企





公卫总费用

Pharma & device 药械



a-Service 软件即服务

**Software Operation** 

Service Revenue

软件运营服务收入

Revenue 增值服务收入

Transaction-based



Value-added services 增值服务





### We are leading our competitors by coverage and technology

平安智慧医疗以落地覆盖和技术成果领先于竞争对手



#### Traditional IT Co.s

传统信息化厂商

- Strong stickiness with government & providers 与政府、机构客户粘性强
- Difficult to scale up, limited business model 规模化难、商业模式受限

#### 平受智慧医疗 Smart Healthcare

- Technology driven "IT + Platform"
  integrated solution provider

  科技驱动的"信息化+平台"综合解决方案

  提供商
- Diversified business models, synergy with Ping An health eco-system 多元商业模式、平安医疗生态圈协同效应

### i li

#### iternet Companies

互联网企业

- Online traffic / transaction driven
- 线上流量和交易驱动
- Limited access to core HC resources and applications 核心医疗资源和应用触及有限

Online Traffic Focused 专注流量入口





Key Competitors







Al<sup>2</sup> coverage in providers Al<sup>1</sup>机构落地数





Al models Al 模型数



Offline Software Focused 专注软件交付



### Our smart solutions have been rolled-out in ~90 cities with global footprints

智慧医疗解决方案已落地~90地市,并在海外拓展



- Being deployed in 90 cities
   90地市合作推进中
- Covering ~20,000 providers
  ~2万家医疗机构覆盖
- Serving 450,000+ doctors 服务45万+医生
- Service used 300mn times
   服务调用~3亿次



### Enable government: creating a gateway to offline stakeholders

#### 赋能政府: 作为服务线下医疗相关方的入口

Solution 解决方案



Disease Type

Supervision

病种监管

Prescription

Supervision

处方监管

Quality

Supervision

Value 价值

20+ cities in Gansu, Chongqing etc. covering 100mn population 服务甘肃、重庆的20+座城市 亿人口

~20,000

providers covered 覆盖接近2万家医疗机构

Rapid access to providers, physicians and patients 快速覆盖机构、医生和患者

Size 规模

city-level and above Health Commission Bureau

~300家市级以上卫健委

1mn+ providers 100万+家医疗机构





医生监管



**Treatment** Supervision 诊疗监管







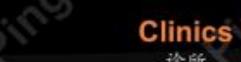
















1 community health center, 社康中心。



### Enable hospitals: "5 smart" solution improves hospital operation holistically



#### 赋能医院: "五智" 助力医院全面提升运营

#### Size 规模

33,000+ hospitals nationwide 全国超过3.3万家医院

~1.4trn RMB **Hospital Spending** 

医院总费用

#### ~230bn RMB

government subsidies for public hospitals

~2300亿元政府对公立医 院的补贴

Solution 解决方案 Smart Management Save cost and lean management 降低成本并且精益管理 智慧管理 Save 50%1 waiting time 节省50%等待时间 **Smart Service** Improve 20%1 recovery Smart Recovery treatment efficiency 提升20%康复治疗效率 智慧康复 Improve 30%1 diagnosis efficiency 增加30%诊断效率 t Increase 50%1 bed productivity Smart Diagn 增加50%床位产能

Smart Hospital Core System (including hospital information system, electronic medical record, etc.)

智慧医院核心系统 (包括医院信息系统,电子病历等)

#### Value 价值

100+ hospitals covered 覆盖100+医院

In-depth integraton with offline patient journey

深耕线下患者旅程

1. Expected results 預期效果





### Enable doctors: AskBob aims to be the "Bloomberg" for doctors



#### 赋能医生: AskBob致力于成为医生的 "Bloomberg" 智库

Solution 解决方案

90+ diseases

covered with

度90%+

90%+ accuracy

90+病种覆盖,精

Size 规模

~3.8mn Total number of doctors1 ~380万医生1

.4mn Total number of nurses1

Doctor spending 1万亿医生总费用



ASKE The brand of Al driven database tools in Ping An Group 千安集团AI教榜库工具品牌

Clinical Support 临床辅助

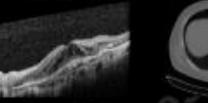
AskBob Recommendation Treatment Plan 治疗方案 诊断推荐

~3000 diseases covered

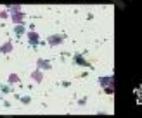
~3000 AI辅助诊 疗病种覆盖

86% vs. 51% Wins in Al vs. Doctor 人机比赛胜出

#### **Medical Imaging** AI影像辅助诊疗



Retina Test 视网膜检查



Lung CT 肺部CT

Cervical Pathology | 宫颈细胞病理

#### Research and Communication Support 科研及交流辅助



30mn English and Chinese literatures

3000万中英文文献覆盖

50+ disease management covered

50+疾病管理覆盖

Online forums, conferences & KOL-generated content

线上论坛、会议和专家原创内容

Value 价值

~450k (12%)

Doctor users 医生用户数

15min to 15s

Image diagnosis time 影像诊断时间从15分钟 降至15秒

Strong synergy with PAGD to build doctor network

助力平安好医生建设医生网络

1. 2019 data 2019年 數据





### Enable disease control: to combat pandemic events

管病: 赋能公卫系统以应对流行病突发事件

Solution 解决方案

#### Size 规模

infectious disease cases p.a.

每年传染病例约1千

200bn RMB public investment

health gov. spending + 45bn RMB one time 他政府公卫支出加人 一次性公卫卫生防控

教治能力建设投入



社会数据



**Environment data** 环境数据



诊疗数据



Data Network

& Analysis

mechanism

数据神经网络

网络数据

#### Smart Alert智能预警



Real-time reporting 实时上报



 Al-driven data scanning and monitoring 人工智能辅助数据扫

描和监测

#### Smart Prediction 智能預測



- analysis 40+个维度数据分析
- 7-days advance epidemic prediction 提早7天预测疫情
- Accurate prediction of infection & death 精准预测死亡与感染

#### Smart Prevention智能预防



- Smart clinical assistance 全流程智能辅医
- Grid-based containment and tracing 网格化防控和追踪
- Smart decision support and coordination 智能决策支持和调度

#### Value 价值

**Provinces & cities** being deployed 省份和城市落地推广

95+% Prediction accuracy rate 预测准确率

Integration with public health systems 与公共卫生系统整合



### Enable chronic disease management: Fighting the threat to national health

Solution 解决方案



#### 赋能慢病: 抗击全民健康的重大威胁

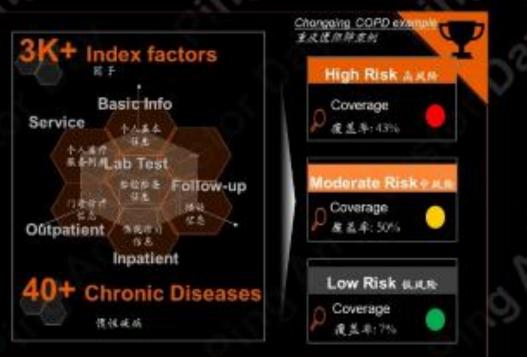
Size 规模

0mn chronic disease patients nationwide 全国近4亿慢病人群

70% of total healthcare expenditure 占70%整体医疗卫生开支

#### Smart screening and prediction

诊前-智能筛查和预测



#### Smart treatment

诊中-智能治疗



#### Smart management

诊后-智能管理



#### Value 价值

~2.5mn patients served nationwide 服务~250万患者遍布全国

11.3% to 59.6%

HbA1c1 achieve rate increases from pre- to postmanagement 管理后VS管理前的糖化血红蛋 白达标率

Broaden coverage to providers and patients

扩大机构和患者的覆盖



### Enable pharmaceuticals: Enable research, control quality and facilitate access



管药:助研究,管质量,控流通

Size 规模

~58bn RMB

R&D value

~人民币580亿药物研发价值

~400bn RMB

TCM market value ~人民币4千亿中药市场价值

~800bn RMB

Health insurance payment on medicines

~人民币8千亿医保药品支出

Enable harmaceutical R&D 助医药研发

New Drug R&D Capabilities

新药研发能力

Medical data in

Real-World-

Evidence Research

医疗大数据应用于真

实世界研究

SHIONOGI

Al, Nano Biotech

and New material

Technology in R&D

AI、纳米和新材料技

术应用于药物研发



Control **Production Quality** 



汉方颗粒制剂厂商

TCM<sup>1</sup> Granule Producer

Build TCM<sup>1</sup> Quality Research Center 建中药质量研究中心

Al driven TCM<sup>1</sup> ingredient origin tracing Al驱动的中药材 智慧溯源



Facilitate

Medicine Access

控医药流通

Pharma Retailor in China 全国医药分销零售龙头

**Pharmacy** Benefit Management (PBM) 药品福利管理

Group Purchasing Organization (GPO) 集中采购平台

Value 价值

Drugs in the pipeline 待上市药物

120+

TCM production standards 中药生产标准

400+

Retail pharmacies covered

零售药店覆盖

1. TCM: Traditional Chinese Medicine 中药





### Leading knowledge and data resources as a core advantage

#### 我们的核心优势是领先的数据和知识





### 1020 HEALTHCAR We have built one of world's largest smart "medical brain" to support Al decisions -



### 我们建立了强大的"医疗大脑"以支持人工智能决策

**Data Processing** 数据处理

**Smart Data Cleansing** 

智能化数据清洗

**Medical Data Structuring** 

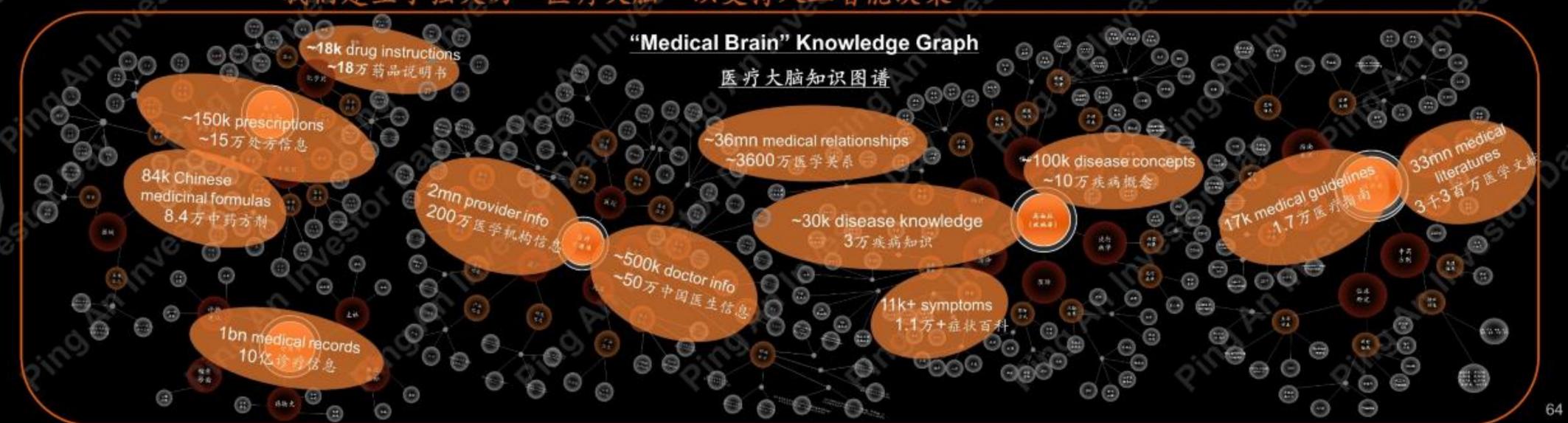
结构化医学数据

Standardizing Clinical

标注化临床术语

**Comprehensive Data** Analysis

全面化数据洞察







### Leading Al training platform enables differentiation

#### 领先的算法训练平台体现差异化优势

#### Pain Points 痛点

#### Long processing time

to train large amount of data 训练大量数据 耗时久

#### High cost

to maintain multiple operating environment 维护多个运行环境



Intelligent scheduling and allocation of computing resources 智能调度和分配计算资源



### Value 价值

#### 100%

Support medical model development 支持医疗算法模型开发

#### 5-8X

R&D efficiency<sup>2</sup> improved 提升研发效率

### **今SFE**(赛飞)平台



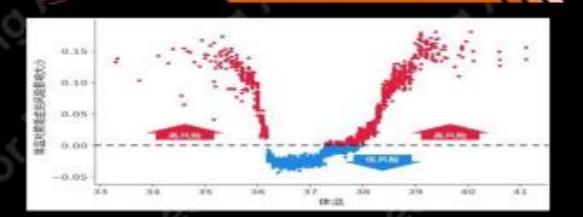
### F

### Al greatly transforms 4 medical areas

#### 人工智能技术使四大医疗领域出现巨大转变



### Prediction on multi-dimension data 基于多维数据的预测



Sepsis Prediction in Intensive Care Unit (ICU) 重症监护室(ICU)内脓毒血症风险预测

Built 312 time-based sets of features 构建了312种时间相关的特征集合 23% more accurate vs. state-of-art method 比现有最好的方法精度提升23%



### Image identification and analysis 影像识别与分析

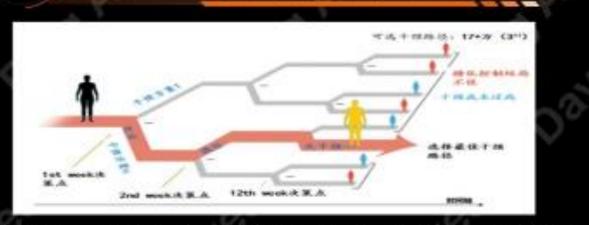


Kidney Pathology Diagonosis 肾脏组织病理分析

95% accuracy of fine-grained lesion classification in IgAN 精度达95%的肾小球病变的细粒度分类 92% accuracy of intrinsic cells' recognition 精度达92%的肾小球三种固有细胞识别



### Recommendation with reinforcement learning 基于强化学习的推荐

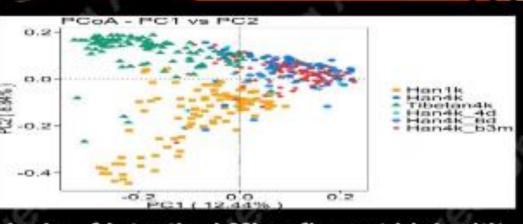


Diabetic Nephropathy Clinical Decision Support 糖肾的强化学习治疗推荐

Intelligent recommendation for comprehensive and long-term disease treatment 智能推荐综合且长期的疾病治疗方案 The risk of kidney failure reduced by 25% 降低25%的肾衰竭风险



### Precision medicine for disease management 精准医学用于疾病管理



Analysis of Intestinal Microflora at high altitude 高原环境对肠道微生物影响分析

New method for diabetes managemtent through Roseburia supplement 研发糖尿病管理新方式: 通过补充Roseburia菌或可缓解糖尿病症状



### Recap: Key message

回顾:关键点

Market attractiveness: Significant market potential for smart healthcare solutions across ecosystem, with diversified revenue model

市场吸引力: 跨生态圈的智能医疗解决方案具有巨大的市场潜力, 收入模式多元化

Ping An Smart Healthcare: Provides best-in-class solutions to 90 cities, 20k providers, 450k doctors and 2.5mn patients

平安智慧医疗: 为约90座城市、2万家医疗服务提供者、45万名医生以及250万名患者提供一流的解决方案

#### Global leading technology capabilities:

World's largest smart clinical support platform, chronic disease management platform and medical database, second highest number of patent application in the world

全球顶尖科技实力:全球最大智能诊断辅助平台、全球最大慢病管理平台、全球最大的医疗数据库、全球第二医疗科技专利申请数

## Thank you

感谢聆听

