Orion Health

Connected Healthcare

医疗系统互联互通

Mark Capill



Agence a 2012中华医院信息网络大会演讲资料,请勿转载 http://www.chima.org.cn

- I. The Current Healthcare Model 当前情况
- II. Catalyst for Change 改变的催化剂
- III. Connected Health today一 现今的互联互通
- IV. What's Next? A Vision for the Future 下一步



China

THE CURRENT MODEL 当前情况



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医院和他们的数据

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Sharing data possible but requires huge 2012中华医院信息网络大会演讲资料,请勿转载

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可以共享数据但需要极大工作量

effort.....



Market Drivers

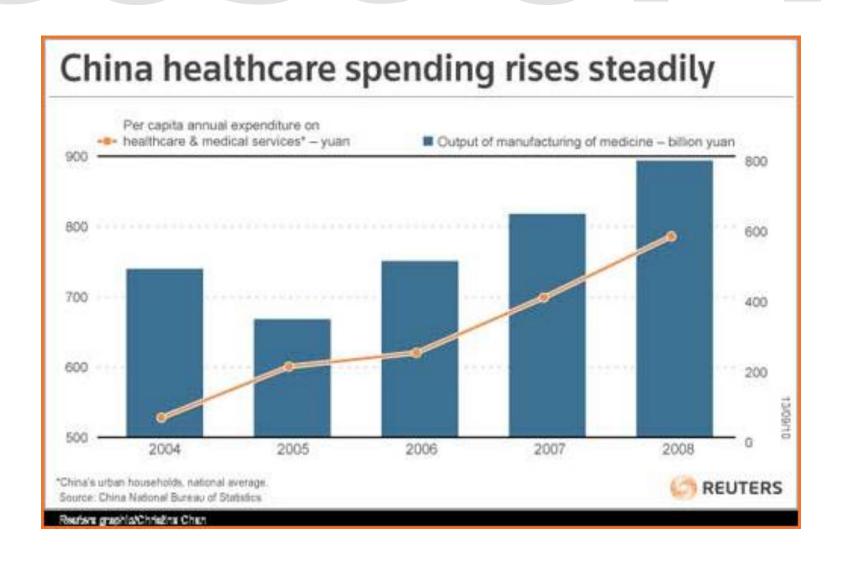
CATALYSTS FOR CHANGE 改变的催化剂



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Cost of Healthcare 2012中华医院信息网络大会演讲资料,请勿转载 http://www.chima.org.cn

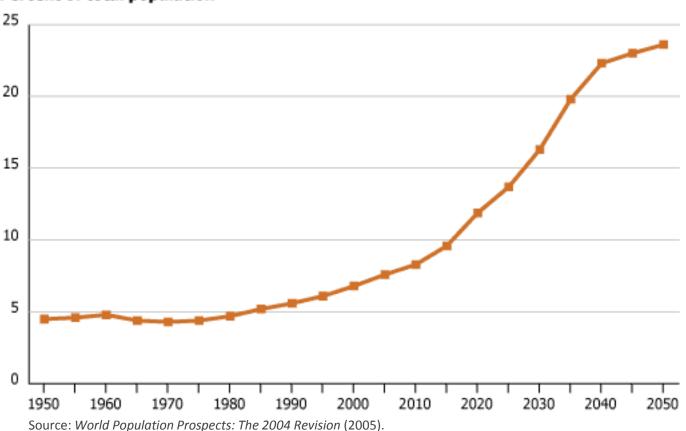


Aging Population 人口老龄化

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Percentage aged 65+ in China, 1950-2050 中国65岁以上人群百分比

Percent of total population



Chronic Conditions0&中华的思想网络大会演讲资料,请勿转载

慢性病及肥胖

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需要新的解决方法

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改变医疗服务方式

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Figure 5. A "service provider ecosystem" to resolve inefficiencies in the current system.

Current ecosystem

Tertiary

Treat all types of patients with all levels of severity, Large number of operations and outpatients

Disproportionate number of patients

Secondary

Include out and inpatients and emergency treatment

Not fully utilized

Primary

Emergency room, mostly outpatients

Low utilization

Service provider ecosystem

Tertiary

Specialized hospitals focus on treating difficult cases, research

Secondary

Larger regional hospital, provide emergency and general hospital services

Primary

Provides community services, collaboration between doctors, private clinics and community healthcare centers, treat mostly outpatients

Transfer for recovery or

Source: IBM Institute for Business Value analysis.

What's Next

A VISION FOR THE FUTURE 未来



Supporting the Evolution 医院信息网络大会演讲资料,请勿转载

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推进进化



Patients

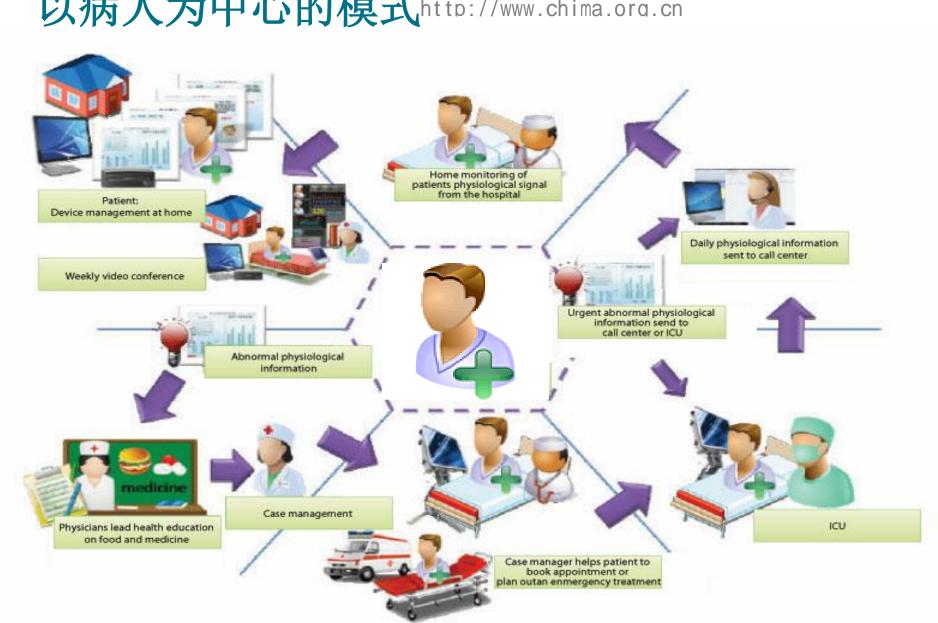
Professionals

Active Patient Involvement	Patient & Carer Integration Patient Portal Integrated with Disease Mgt.	Health Management Co-responsibility
Coordinated Quality Care	Workflow Integration Disease & Case Management	MDT Workflow & Decision Support
Improved Quality of Care	Process Integration OE / Med Rec, / Prescribing	Process Automation & Standardisation
Shared Information	Information Integration Clinical & Patient Portal - EPR / EHR / HIE	Shared Single View of Best Patient Record
Quality Data	Application Integration Integration Engine & Standards (e.g. ITK)	Resource Optimization

Cross Boundary Integration

Maturity Levels cannot be skipped. Each builds on previous ones 成熟度不可跨越式,发展基于前一层

Patient Centric Care Models
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以病人为中心的模式http://www.chima.org.cn



China Model

CONNECTED HEALTHCARE HOSPITAL 院内医疗系统互联互通



Case Study - Binhoid Hospital M络大会演讲资料,请勿转载案例 - 香港大学深圳医院"气滨海医院)



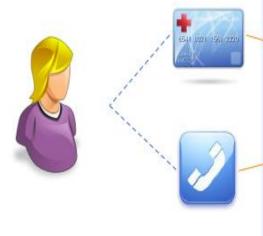
Case Study - Binhoid Hospital M络大会演讲资料,请勿转载案例 - 香港大学深圳医院"饮滨海医院)

▶ 院内集成方式:TCP

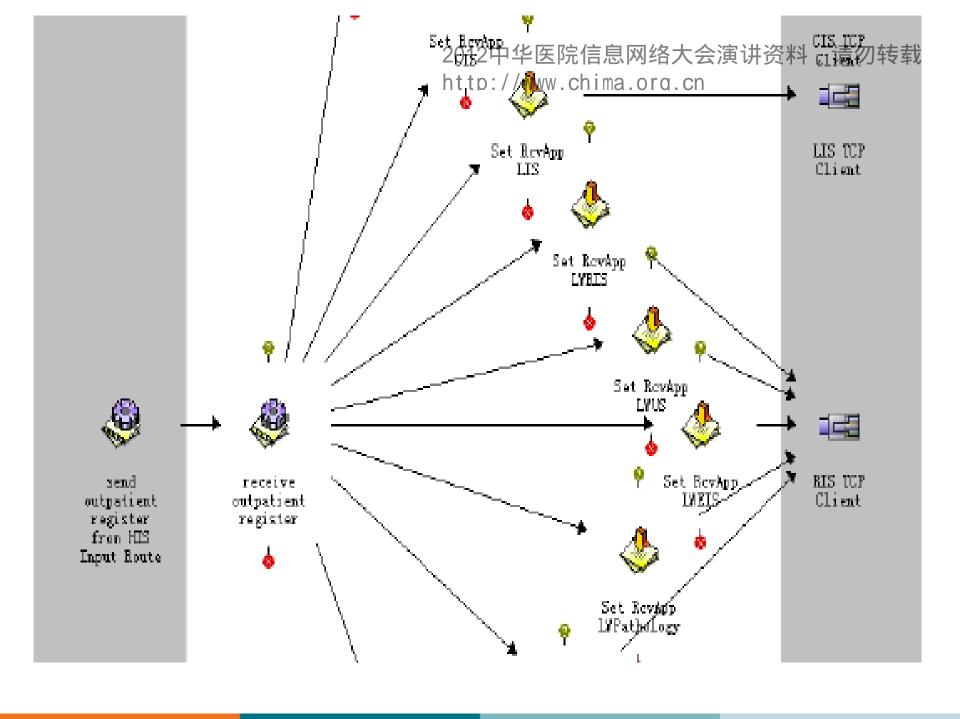
▶ 院内数据标准: HL7 v2.4

➤ 院外集成方式: WebServices

➤ 院外数据标准:XML





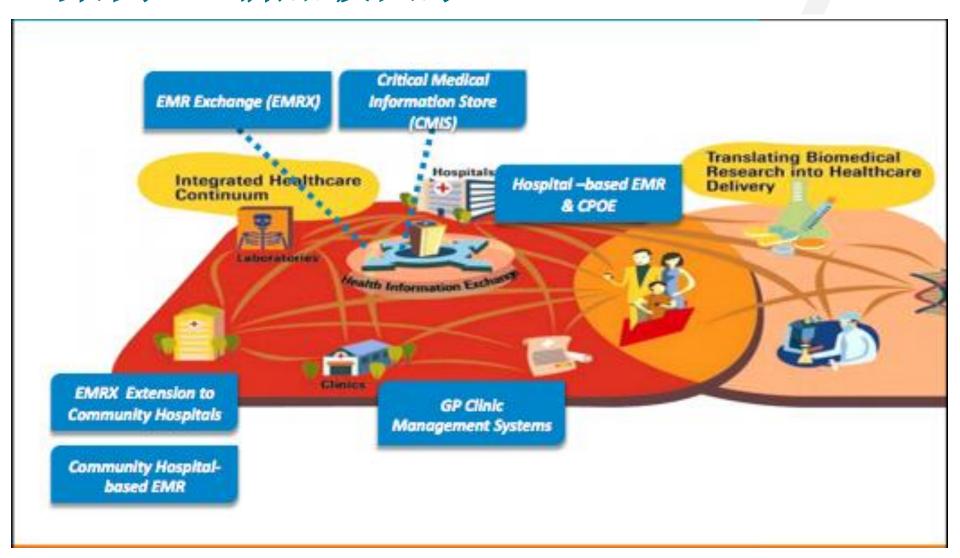


China Model

CONNECTED HEALTHCARE REGIONAL 区域医疗互联互通



Case Study Sing ported whe 演讲资料,请勿转载案例一新加坡国家EHR



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To improve healthcare quality for all residents, increase patient safety, lower healthcare costs and develop more effective health policies, Singapore's MOH created the NEHR vision – "One Singaporean, One Health Record" – which enables patient health records to be shared across the nation's healthcare ecosystem.

THE HEALTHCARE ECOSYSTEM IN SINGAPORE

The health ecosystem in Singapore has about 5.1 million residents and more than 36,000 healthcare providers across the public and private sectors. Private practitioners provide 80 percent of primary healthcare services, and the government polyclinics provide the balance. The ratio changes for more costly hospital care, with the government providing 80 percent through eight public hospitals.

Source: Singapore Ministry of Health website on September 20, 2011. Visit www.moh.gov.sg for updated statistics.

Accenture: Insight Driven Health

Case Study - Australian PCFHR Honst

案例 一澳大利亚Personal Controlled EHR



Australian Government

Department of Health and Ageing



Hospitals

Primary care

Aged care

Mental health

Standards

Workforce

Prevention

eHealth

Patient appointments华医院各世内的文域中等请勿转载



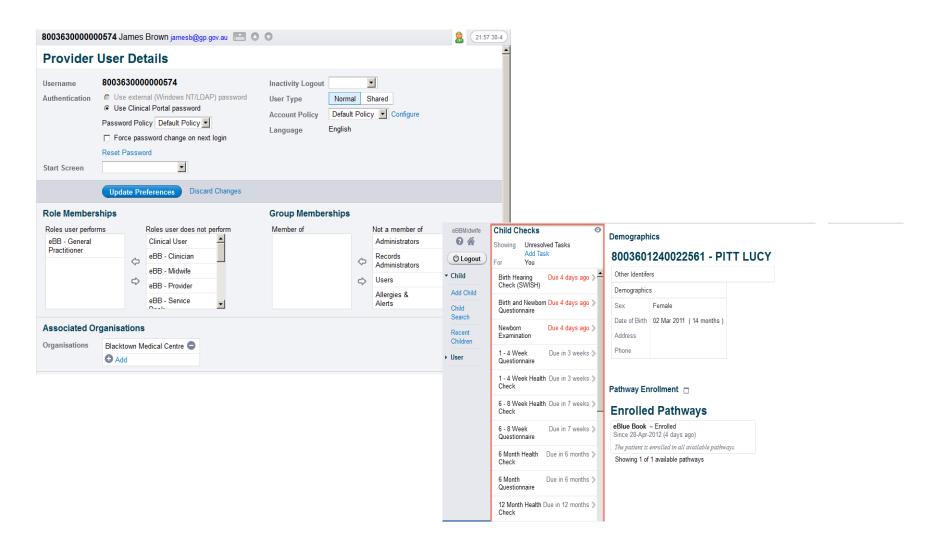
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Child Health record retgined 经现金的 Birth 的 表表

婴幼儿健康档案

http://www.chima.org.cn



China Model

CONNECTED HEALTHCARE NEXT PHASE 下一步

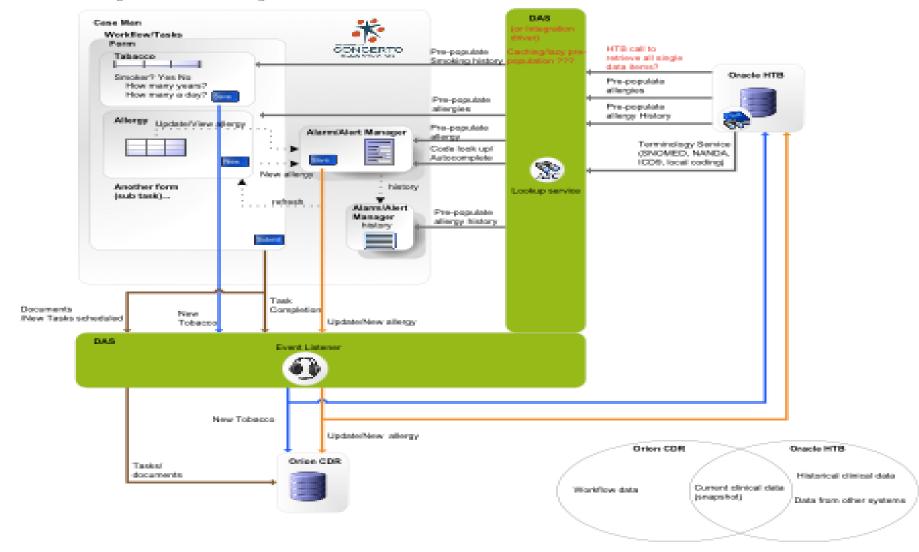


Case Study - Isles de Balegres, Spain, 请勿转载案例 - 巴利阿里地区,"西班伊"。org.cn



Case Study — Islesode Bale akes # \$ p.cim # \$ 案例 — 巴利阿里地 文 "西班牙"

IB Salut HTB Integration - Case Management



China Model

CONNECTED HEALTHCARE THE FUTURE 未来



Now you have an Ehr R华医院信息网络大会演讲资料,请勿转载 http://www.chima.org.cn

- ★ Modeling national EHR data to identify optimal treatment prototools based upon empirical outcomes 对国家EHR数据建模,基于实证的数据找寻最优化的治疗方式
- ★ Pro-Active identification of at risk Patient cohorts prior to development of Chronic disease symptoms — 在慢性病扩 散前主动分析找寻致病人群
- ★ Identification of most suitable candidates for novel treatments. Trial cohorts. — 分析找寻最优试药人群
- ★ Inclusion of Genomics Mapping of individual DNA to identify propensity for certain diseases and deliver individualized treatment plans. — 包含染色体类比 — 匹配 个体DNA找出潜在致病人群,基于个体的治疗计划



Best Practice

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通知功能

加密 收件箱

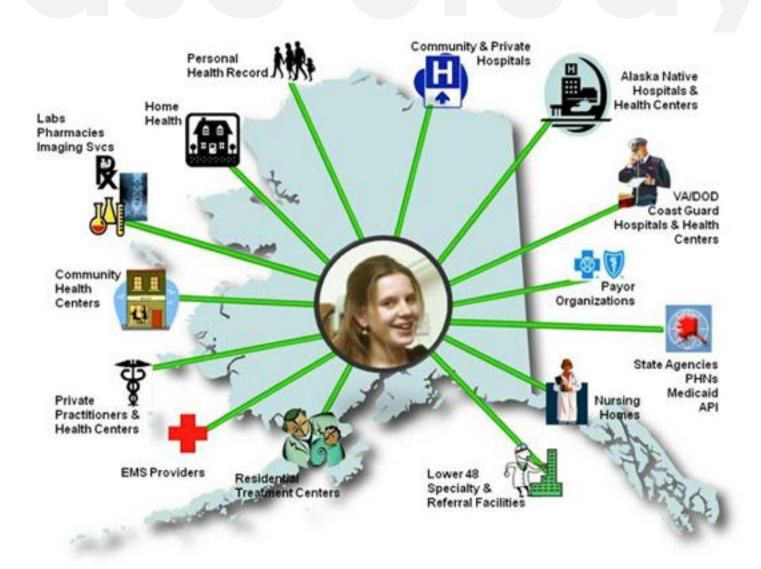
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手持 无线设备

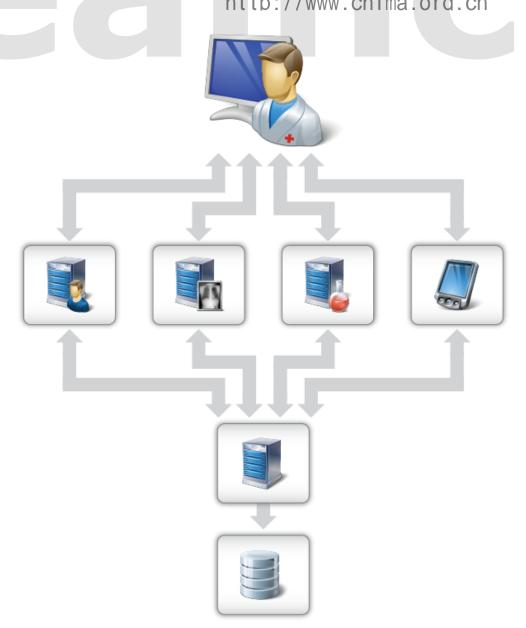




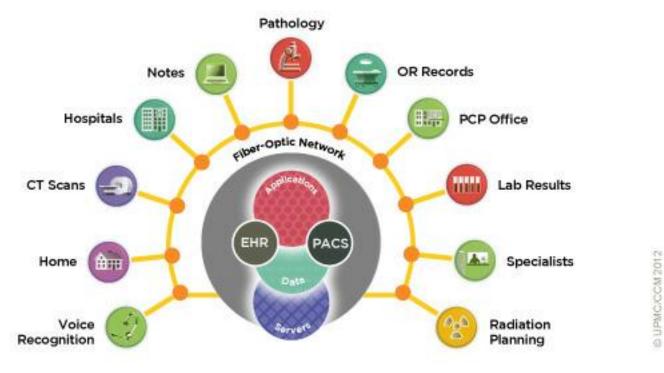
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HIT CORE INFRASTRUCTURE



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