Survey Result on Readiness for eHR Sharing

6 July 2010

電子健康聯盟
eHealth Consortium Ltd

Speakers

- **Dr Winnie TANG**
  - Chairperson, Steering Committee, eHealth Consortium
  - President, Internet Professional Association
- **Dr CP WONG**
  - Co-Chairman, Executive Committee, eHealth Consortium
  - President, Hong Kong Society of Medical Informatics
- **Dr CP HO**
  - Chairman, Information Technology Committee, Hong Kong Medical Association
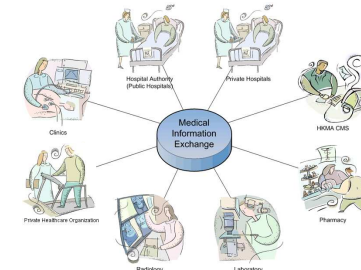
Rundown

- Introduction   (Dr Winnie TANG)
- Findings & Result (Dr CP WONG)
- Private Doctors' Opinions (Dr CP HO)
- Conclusion

About the 'Validation Platform' Project

- eHealth Consortium started building a pilot electronic web-based platform in May 2008
- Aims at testing the readiness of the electronic health records (eHR) established by various stakeholders to conform to the Hong Kong Territory-wide eHR standards so that they could be shared in the future (2013/14), and take steps towards further integration of eHealth development

Project Stakeholders

- To test their ehealth record data conformity and interoperability
- Pilot Phase 1: launched in June 2009
- Pilot Phase 2: launched in May 2010

- We welcome more healthcare providers to join the Project as additional stakeholders!

About eHealth Consortium (ehealth.org.hk)

- Established since 2005
- Aims to improve the healthcare system for the benefit of all through the use of medical informatics and information and Communications Technology
- Founding Members: iProA and HKSMI
- Over 20 Corporate/NGO Members and 200 Individual Members

Corporate Members

NGO Members

Activities Highlights

Findings on eHealth Sharing Record

- Target participants: healthcare professionals, esp private practitioners
- Examine the awareness and readiness of healthcare professionals and organizations on eHR sharing
- As an follow up on the survey in 2009 "Clinic Computerization Readiness of Private Medical Practitioners"
- Questionnaire survey distributed through HK Medical Association and HK Doctors Union
- Private Practitioners in HK: approx. 4000

Questionnaire

- Compared to last year, the details of question has increased by 35%
- Encouraged participants to respond <u>online</u>
- Topics covered
  - <u>Recognition</u>, <u>Support</u> and <u>Readiness</u> for eHR Development Program
  - <u>Advantages</u>, <u>Incentives</u> and <u>Hurdles</u> of eHR Sharing
  - <u>Concerns</u> on private doctors

9

Result

- Received 168 completed questionnaires
- 67% were willing to make their response online

10

Respondents Profile

- 63% were physicians, while others are healthcare professionals (e.g. Radiologist, Physiotherapist, etc.)
- 45% were physicians with over 10 years experience
- 60% were from private healthcare clinics/organizations
  - Approximately half (47%) are from clinics with less than 10 staffs
- 67% Male / 33% Female

11

Awareness and Supportiveness

- Recognition on territory-wide eHR sharing
  - 61% heard of the eHR Development Program (10-year Plan)
  - 90% think Hong Kong needs territory-wide eHR sharing
  - 88% think territory-wide eHR sharing will be an improvement to the current healthcare system
  - 27% from private solo practice - sharing eHR currently, including:
    - 65% share within the organization
    - 12% share with allied practices
    - 24% share view HA patient record only (with patient's consent)
  - 83% were the sole decision maker (or involved in the decision process) to share/not share eHR at their workplace

12

Willingness and Readiness

- Willingness to participate in the Territory-wide eHR Sharing
  - 69% are willing to participate in the Territory-wide eHR Sharing once available (2013/14)
  - 42% are willing to participate in the pilot Validation Platform Project as one of the stakeholders
- Readiness to participate in the Territory-wide eHR Sharing
  - 56% from the private healthcare sector think they are ready to share in the territory-wide eHR sharing once available
  - Those who think they will not be ready:
    - 56% think they do not have the ability to assess when they are ready to share

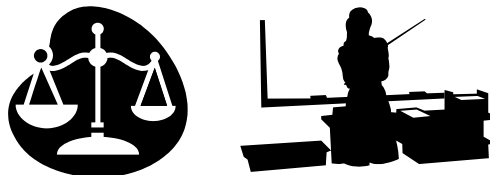## Advantages on eHR Sharing (5.00 is the highest score)

- Increased data security and patient privacy of eHR sharing 3.32
- Increased medical consultation efficiency 3.46
- Increased business operation efficiency 3.50
- Reduced business operation costs 3.11
- **2** **Reduced unnecessary medical re-testing 3.80**
- **1** **Comprehensive medical history of new patients 3.94**
- Better business image 3.50
- **3** **Better patient care 3.58**

Bad? Good?

Incentives on eHR Sharing (5.00 is the highest score)

- **2** **Legislative or regulatory requirements 3.60**
- Financial subsidy scheme 3.39
- Seminars for management and business owners 3.32
- **3** **Pilot projects for organizations and IT staff 3.53**
- **1** **Training for healthcare professionals and admin staff 3.71**
- Exhibition or demo centers 3.43

Hurdles on eHR Sharing (5.00 is the highest score)

- **1** **Risk on data security and patient privacy of eHR sharing 4.07**
- **3** **Possible patients' resistance towards eHR sharing 3.40**
- **2** **Loss of data ownership and copyright of eHR 3.59**
- Decreased quality of patient care 2.99
- Lack of funds to support the hardware and software in sharing 3.38
- Clinical consultation efficiency negatively affected 3.16
- Business negatively affected 2.79
- Lack of technological knowledge and requirements 3.16
- Lack of suitable manpower for additional workload involved 3.35
- Increased investments and recurring costs 3.36

About eHealth Training

- 54% are willing to attend relevant ehealth trainings
- 18% are willing to nominate staff to attend relevant ehealth trainings
- Interested topics (5.00 is the highest score)
  - How and where to get healthcare service update 3.8
  - How and where to get IT services and support 3.9
  - **Demonstration of clinical and admin systems 4.0**
  - Benefits and worldwide trend in eHealth 3.5

E = MC²

17

Private Doctors' Opinions

- To urge the Government to provide funding support for the related training programs and technical support services
- IT industry may provide more applications and solutions related to system management and
- Provide a platform for technical assistance on eHR sharing to the private sector in the healthcare industry

18

Conclusions

- The Public & IT Industry
  - Patients and the IT sector play equally important roles
    - Patients can check whether the clinics they visit have participated in Public-Private-Interface Electronic Patient Record Sharing Pilot Project (PPI-ePR) or the Validation Platform pilot project to ensure treatments and diagnosis are, and will be, efficient and accurate
    - IT industry should continue to provide more applications and solutions related to system management and operation of healthcare services in the private sector, and provide assistance to the practitioners in choosing the auxiliary software in the market to ease their concerns on eHR sharing.
- The Government
  - The Consortium hopes that the departments will continue to allocate appropriate resources to facilitate system computerization in the private healthcare sector. Together with the support from IT sector in providing more system services and information to private doctors, the Consortium believe that the confidence of private doctors will be strengthened, allowing early participation in eHR Program and further improvements in our healthcare system.

19

Greater China eHealth Forum 2011

- 6-8 Oct 2011 in Hong Kong; 2012 in Beijing
- Organizers：
  - eHealth Consortium
  - Chinese Hospital Information Management Association(CHIMA)
- Objectives：
  - To raise awareness of ehealth and health informatics
  - To promote ehealth development, project collaboration and experience sharing among Mainland China, Hong Kong, Macau and Taiwan
  - To introduce new technologies and international standards
  - To encourage cooperation between domestic and foreign regions on medical informatics and internationalization of standards

20

Thank You

Email: info@ehealth.org.hk

Tel: 3488 3762