

# eHEALTH CONSORTIUM eNEWSLETTER

September 2012 (Issue 17)



## From the Desk of our Board Member

Ms Eva Chan

Certizen Limited, being the Operator of Hong Kong Post Certification Authority (CA) e-Cert Services, as well as the Steering Committee Member of HKPKI Forum, together with members from eHealth Consortium attended the "2012 中國衛生信息技術交流大會暨兩岸四地衛生信息化交流會議" co-organized by eHealth Consortium in Dalian on 18<sup>th</sup> July, 2012.

eHealth infrastructure in Mainland has been growing fast in the past two years. Especially, Electronic Medical Record System (EMRS) was applied in all the hospitals in Beijing this year. Many CAs in Mainland have made significant contributions to the eHealth development. PKI Technologies have been applied in EMRS to address issues of authentication, non-repudiation, data integrity and confidentiality, and provide reliable services in secured-communication, digital-signature, time-stamping and preservation of electronic evidence.

Hong Kong, starting from 2006, has the vision of developing a city-wide and patient-oriented eHealth-Record (eHR) Programme to improve the medical care services and to increase co-operations between medical care services providers. With supports from the Office of the Government Chief Information Officer (OGCIO) and the eHealth Record Office, Hong Kong will further speed up the development of the eHR System and apply PKI Technologies in eHR-Sharing Platform to better protect patients' rights and privacy.

## 董事的話

陳婉華女士

翹晉電子商務有限公司，作為香港郵政電子核證服務之運營商及香港公匙基建論壇督導委員會成員，與電子健康聯盟的代表於上月 18 日在大連參加由電子健康聯盟聯合主辦的 "2012 中國衛生信息技術交流大會暨兩岸四地衛生信息化交流會議"。



近年中國內地衛生信息化發展十分迅速，特別是北京今年在全部醫院實行電子病歷。內地許多電子核證公司應用 PKI 技術於電子病歷系統，有效解決身

份認證、信息完整性和抗抵賴等安全問題，在安全傳輸、電子簽名、時間戳服務、電子證據保全等方面為電子病歷系統應用提供可靠的安全保障服務。香港於 2006 年開始發展電子健康記錄互通系統，旨在發展一套全港性、以患者為本的電子健康記錄互通系統，加強醫療服務的連貫性並促進不同醫療服務提供者之間的配合。我們應在政府資訊科技總監辦公室和電子健康記錄統籌處的支持下，加快本港電子健康記錄的發展步伐，將 PKI 技術將應用於電子健康記錄互通系統中，發展更好的醫療信息安全系統，令病人隱私權益更受保障。

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## eHC Free Seminar Series 2012

## 電子健康聯盟免費講座系列

**“The state of health IT in Australia and potential learnings for Hong Kong” &  
“Global Standards for Traceability in Healthcare Sector”**

The Q1 seminar was successfully held on 19 Apr 2012 at the InnoCentre, Kowloon Tong.

In Session 1, **“The state of health IT in Australia and potential learnings for Hong Kong”**, Mr. David Rowlands, Managing Director, Direkt Consulting, shared his experience in developing eHealth programme in Australia, including the History of Australia’s eHealth development, significant achievement of the Primary Care ICT implementation and clinical information quality concerns about HK eHealth development. His valuable experience is truly a great lesson for Hong Kong medical and I.T professionals to learn about.

In session 2, **“Global Standards for Traceability Healthcare Sector”** Mr. K K Suen, Chief Architect and Principal Consultant, GS1 Hong Kong, has delivered a lively presentation about the application of the global supply chain standards and the advantage of traceability for products, assets and information in the healthcare sector.



Above: Mr. K K Suen, Chief Architect and Principal Consultant, GS1 Hong Kong

Below (right): Mr. David Rowlands, Managing Director, Direkt Consulting

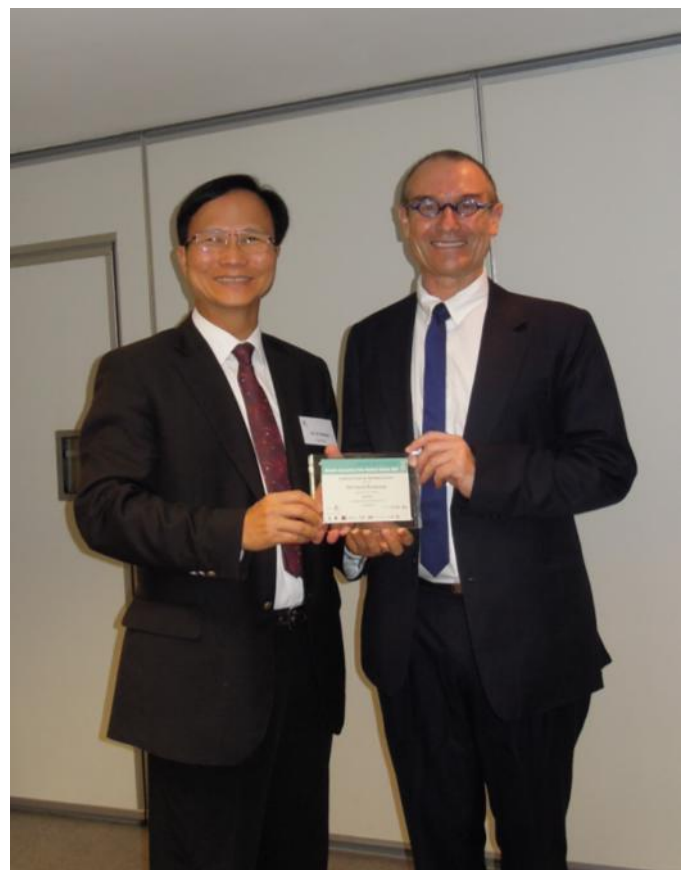


2012 年第一季電子健康聯盟免費講座於 4 月 19 日在九龍塘創新中心舉行。當日講座吸引眾多會員出席支持，本聯盟非常感謝大家踴躍參加，並期望能於來季講座與會員再聚首一堂。

**Mr. David Rowlands, Managing Director, Direkt Consulting Ltd**, Mr. Rowlands 的講題為

〈以澳洲為鑑：澳洲電子健康記錄系統的建立與發展對香港的啓示〉。Mr. Rowlands 為我們簡介澳洲電子健康系統的發展及成就，以及分析香港發展高準確性的電子健康信息的重要性。

孫國江先生－香港貨品編碼協會總工程師及首席顧問。孫先生的講題為〈環球貨品編碼標準對醫療護理部門的可追溯性〉。講題內容包括全球供應鏈標準的應用和優勢產品，資產和醫療部門的信息可追溯性。







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web applications  
& e-commerce of  
health-care sector



## 電子簽名在電子病歷中的應用

醫生處方有憑據 電子病歷可確認

有法律  
依據的真記錄



香港郵政核證機關發出符合《電子交易條例》下認可的「電子證書」(e-Cert)，使用電子證書作出的電子簽名，是具有與手寫簽名同等的法律效力，用於簽署電子病歷，可使電子病歷記錄得到確認，保障醫院和病患者的合法權益。



查詢熱線：2921 6633

網站地址：<http://www.hongkongpost.gov.hk/>

## 2012 中國衛生信息技術交流大會暨兩岸四地衛生信息化交流會議

為推進衛生信息技術更好配合醫藥衛生體制改革，加強境內外交流與合作，引領衛生信息化行業發展，促進醫改目標實現，中國衛生信息學會和《中國衛生信息管理雜誌社》聯合香港、澳門、台灣地區衛生信息學術組織，於7月18日—19日在遼寧省大連市召開2012中國衛生信息技術交流大會暨兩岸四地衛生信息化交流會議。主題為創新、實用、共贏。

是次會議為高層次學術交流，緊密圍繞當前衛生信息化建設熱門議題、困難，特別是針對深化醫藥衛生體制改革對強化醫藥衛生信息化建設提出的各項任務要求以及國際衛生信息化發展趨勢等進行廣泛交流和深入研討。

大會邀請國家衛生部、省市衛生信息化主管領導，介紹我國衛生信息化發展進程以及發展規劃，並邀請世界衛生組織、香港、澳門、台灣地區和其他國家的衛生信息化專家、技術人員共同探討衛生信息化建設經驗思路。

電子健康聯盟為本次大會的主要協辦單位，負責聯繫港澳台地區衛生信息學術組織和機構參會等相關事宜。



上圖：開幕式



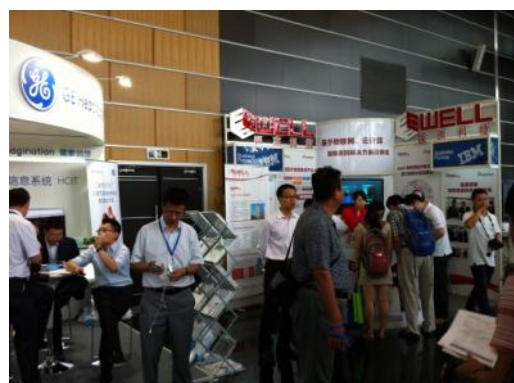
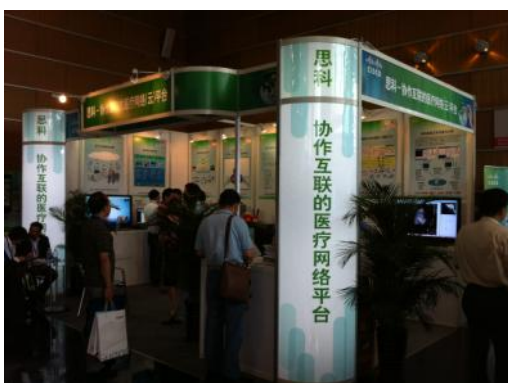
上圖：港澳台三地代表（左起）：

鄧淑明博士、陳惟蓀醫生副局長及張顯洋教授



上圖：港澳兩地參會者

會議展覽剪影(下圖)：聯盟企業會員之內地公司亦參與展覽會





## 2012 中國衛生信息技術交流大會暨兩岸四地衛生信息化交流會議：香港講者簡介

**鄧淑明博士**

**電子健康聯盟創辦人**

**講題：香港電子健康發展概況**

**摘要：**香港政府於 2009 年實施電子健康記錄計畫，並採用經試驗計畫驗證的元件組砌方式，以及公開、預設及共通的技術標準和程式，開發以病人為本的電子健康記錄互通系統，供病人自願參與。第一階段電子健康記錄計畫的目標，是在 2013-14 年度建立電子健康記錄互通平台，連接所有公立和私家醫院，以及確保市場上能夠為私家醫生、診所及其他醫療服務供應商，提供連接至電子健康記錄互通平台的電子醫療記錄及電子病歷記錄系統。



**陳曉明先生**

**電子健康聯盟副主席**

**講題：資訊安全與新技術應用(香港經驗)**

**摘要：**在一般情況下，企業是不允許用戶從互聯網直接使用 ERP 或其他資訊系統，常見的解決方案是通過 Java 或 Dot Net 開發並建立互聯網應用層以規範使用者的行為。此方案只是把一些 ERP 系統功能外移，而開發量可大可小，最終尾大不掉。我們以 SAP ERP 做案例，通過基於 Windows Sharepoint 對 SAP ERP 的集成、或通過 SAP ERP 對 SAP ERP 的集成，在 ERP 以外建立一道額外的應用層，讓企業可以安心提供互聯網的服務，又避免過度開放系統，減低被入侵的風險。



**何錦榮先生**

**香港貨品編碼協會，企業拓展高級經理**

**講題：國際條碼標準在醫療護理用品供應鏈及防偽功能的應用**

**摘要：**香港貨品編碼協會是以推廣及支援一系列的 GS1 全球通用編碼標準，為供應鏈管理提供最佳實務及應用技術。醫療藥品生產供應商可用國際條碼對藥品進行庫存、銷售管理，實現藥品追蹤及追溯功能。醫院可以通過條碼攜帶的資訊對醫療藥品的收貨及應用，進行追蹤管理，並記錄在病人的醫療處方及電子檔案中，確保病人的用藥安全，也可追溯患者用藥的所有情況。同時，結合條碼技術、驗證碼及查詢真偽訊息的共通平台，可做到檢驗藥品真偽的功能。



2012 中國衛生信息技術交流大會暨兩岸四地衛生信息化交流會議吸引超過二千名業內人士參與，圓滿成功！本聯盟對此深感鼓舞，並期望明年於大中華電子健康及醫療信息化論壇與大家再會。

# Direkt Consulting

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Fast

[www.direkt.asia](http://www.direkt.asia)



Direkt Consulting provides management consulting services to the health industry. We specialise in e-health, health information, standards and health service improvement. We are:

- leaders in the design, development, analysis and use of health data
- experienced in the performance management of health services and systems, and in designing, developing and implementing improvements
- internationally recognised in standards development
- advisors to national e-health programs in the Asia-Pacific region

We have offices in Australia, Singapore and now Hong Kong. We only use consultants with extensive experience, drawn from an international network.

Direkt Consulting's principal is David Rowlands (pictured). David has over 30 years experience in health and informatics. David is personally involved in every assignment.

**Contact:**      **Direkt Consulting Limited**  
**Phone - (852) 6624 2492**  
**Email - [david.rowlands@direkt.asia](mailto:david.rowlands@direkt.asia)**

## eHR Public Consultation

eHR office launched a two-month consultation to solicit views on the Legal, Privacy and Security Framework for Electronic Health Record Sharing. The consultation was started from 12 December to 11 February 2012.

The Legal, Privacy and Security Framework aims to provide legal protection for the privacy of patients' health data and system security. In response to the public consultation, eHealth Consortium has expressed our view on the topic after collecting comments from our members. Please see the attached passage below for detail information.

The consultation report was published in June on the views received and briefed the Members of the Legislative Council panel on Health Service. The Report can be found at the eHealth Records Office website:

[http://www.ehealth.gov.hk/en/public\\_consultation/index.html](http://www.ehealth.gov.hk/en/public_consultation/index.html)

1. We support the establishment of The Electronic Health Record (eHR) Sharing System and we agree it could help to enhance the quality and efficiency of healthcare provided to our population.
2. We strongly urge the government to institute stronger safeguards to data privacy and security issues by additional tighter control on top of the present Personal Data (Privacy) Ordinance.
3. Although we agree this should be on a voluntary basis from the patients, we suggest that the citizens should be encouraged to participate as far as possible. Therefore an opt-out mechanism is more advisable than an opt-in mechanism. Anybody chooses to opt-in or opt-out should be required to sign in the sharing consent documents. And the government should encourage citizens for this sharing with adequate educational and promotion efforts. Otherwise, the number of citizens participating will be dismally small, as seen from the mere 170,000 citizens opt-in for the Public-Private-Interface electronic Patient Record sharing pilot for the last 4 years. The small percentage of participation will make this meaning platform a waste of investment and efforts.
4. The "need to know" principle is very vague. A more definitive definition or illustration would be helpful to the providers for guidance.
5. We agree on the scope of the sharable data but of the view that this scope should be expanded gradually to more items such as radiological images, etc in future.
6. We support the use of our Smart HK ID card for the purpose of authentication and also in giving consent. An additional health smart card, as use in Taiwan and Germany, are not suitable in Hong Kong, as it involves huge administrative efforts and money, and gives no additional benefits.
7. The practice of good compliance to the COP of data security and audit checks are often beyond the capacity of healthcare providers, especially solo private practitioners. The government should give extra resources and efforts in helping the providers in the initial set up and education and continuing technical support. Otherwise, this will greatly affect the support from the less resourceful healthcare providers in participating in the scheme.
8. While criminal sanction is appropriate for deliberate breach in the data access, there must be provision in the system not setting a trap to the ordinary users who are often IT illiterate to access data which are inappropriate.
9. The eHealth Consortium has also completed a pilot project on "A Validation Platform for eHealth Data Standards Conformity for the HK Community Wide eHealth Record Sharing: Paving the Road to the Future" which was sponsored by the Food and Health Bureau and Office of the Government Chief Information Office in 2009. Useful comments and suggestions were included in the Recommendation Report.



## Supporting events 支持活動

Date	Event	Organizer
30 Mar 2012	Next Generation Information Technology Standardization Symposium	Cyberport
4 June 2012	Cloud without Border: Meet the Best Cloud Influencers from Silicon Valley	Cyberport
17 Sep 2012	The 7th Technology Economic Summit cum APKIC Symposium 2012	Hong Kong Information Technology Joint Council

## Upcoming events of eHC 聯盟活動預告

Date	Event	Organizer
2 & 8 Nov	<b>HL7 Professional Training Program</b> Phase 1: 2 & 8 Nov 2012 HL7 Version 2 and eHR Adoption in Hong Kong (2 days) Phase 2: Jan/Feb 2013 HL7 Clinical Document Architecture (1 day) <a href="http://www.ehealth.org.hk/projects_hl7.php">http://www.ehealth.org.hk/projects_hl7.php</a>	HL7 HK / eHC
Dec	Annual General Meeting & Christmas Dinner	eHC

## Upcoming eHealth events in the globe 各地電子醫療活動

Date	Event	Organizer
22-25 Oct 2012 Beijing	<b>APAMI 2012 in Beijing</b> <b>Theme:</b> "New situation, New technology and New opportunity" <b>Venue:</b> Crowne Plaza Beijing Sun Palace For more information, please visit: <a href="http://www.apami2012.org/lunwen.php?mod=en">http://www.apami2012.org/lunwen.php?mod=en</a>	Asia Pacific Association for Medical Informatics
31 Oct 2012 Pok Fu Lam, Hong Kong	<b>ECom-IComp Experts Address Series (2012-2013)</b> <b>Theme:</b> Sharing Personally Controlled eHealth Records <b>Venue:</b> T6, Meng Wah Complex, The University of Hong Kong, Pokfulam Road For more information, please visit: <a href="http://www.ecom-icom.hku.hk/seminar/upcoming.asp#Iannella">http://www.ecom-icom.hku.hk/seminar/upcoming.asp#Iannella</a>	The MSc (ECom&IComp) Programme Office, The University of Hong Kong
21-23 Aug 2013 Copenhagen, Denmark	<b>World Congress of Medical Informatics – the Premier Conference: MedInfo 2013</b> For more information, please visit: <a href="http://www.medinfo2013.dk">www.medinfo2013.dk</a>	The International Medical Informatics Association & The Danish Society of Medical Informatics





# HL7 Professional Training Program

## Introduction

**HL7 Hong Kong Limited**, a not-for-profit organization, is an accredited full affiliate of Health Level Seven (HL7) International - the global authority on standards for interoperability of health information technology. HL7 Standards is the messaging standard for interoperability of the territory-wide Electronic Health Record (eHR) sharing platform of Hong Kong. HL7 Hong Kong is organizing **a HL7 training program with two courses** for Healthcare/IT practitioners and students for better preparation and implementation of eHR Sharing System.

## Special Features & Benefits

- The **ONLY Accredited** HL7 training program in Hong Kong
- Obtain equivalent certificates Without Travelling Abroad
- Structured training courses
- Sponsored training program

## Award of Certificate

by HL7 Hong Kong (Full Affiliate of HL7 International)

## Methodology

Lecture/Tutorial Class

## HL7 Version 2 and eHR Adoption in Hong Kong (2 days)

### Contents

- What is HL7?
- Preparing for eHR: What You Need to Know About HL7 Version 2
- Application of HL7 Standards for eHR

Now Open for  
Enrollment !

### You Will Learn

- Basic concepts of HL7 Version 2
- Overview of Control, Data Type & Patient Admin.
- Introduction of Message Standards
- eHR/HL7 adoption in HK and Case Study Sharing

### Target Participants

Healthcare/IT Practitioners, Students, Management or those who need to know more about HL7 Version 2, eHR and HL7 adoption in Hong Kong.

### Trainers

Experts of HL7 Hong Kong

### Medium of Instruction

Cantonese (supplemented by English terms)

### Date & Time

**2 and 8 November 2012** (9am – 5:30pm)  
Application Deadline: 22 October 2012

### Venue

InnoCentre, 72 Tat Chee Avenue, Kowloon Tong

### ***Fee: Free of charge***

**Seats** Limited. First-come, first-served.  
Priority given to members of HL7 Hong Kong.

### Enquiries

Tel: +852-34883762 Email: [info@hl7.org.hk](mailto:info@hl7.org.hk)  
[www.hl7.org.hk](http://www.hl7.org.hk) (Free to join as Associate Member)

### Details/Registration

[www.ehealth.org.hk/projects\\_hl7.php](http://www.ehealth.org.hk/projects_hl7.php)

### Sponsor

eHealth Record Office,  
Food and Health Bureau  
The Government of HKSAR

### Co-operating Partner



## A Warm Welcome to our New Members

熱切歡迎我們的新成員

## Silver Corporate Members 銀企業會員

Cluster Technology Limited [www.clustertech.com](http://www.clustertech.com)

Clustertech specializes in the provision of advanced computing technology solutions. Clustertech was cluster, grid, cloud and other HPC technologies to improve operational efficiency, address large-scale computing demand, develop business intelligence and ensure high availability.

Direkt Consulting Ltd. [www.direkt.asia](http://www.direkt.asia)

Direkt Consulting provides management consulting services to the health industry. We Specialize in e-health, health informatics, standards and health service improvement. We operate in the Asia– Pacific region.

Sonic Sky Limited [www.finddoc.com](http://www.finddoc.com)

Sonic Sky Limited (“FindDoc”) is the first healthcare platform in Hong Kong that allows the public to effectively search for and make appointments with medical practitioners online, for free. To use FindDoc’s service, a patient can simply visit FindDoc’s website or use any of our free mobile applications to search for doctors & dentist by Specialties, Location and Medical plans. FindDoc will also send patients reminder so they don’t miss the appointments.

# JOIN US NOW!

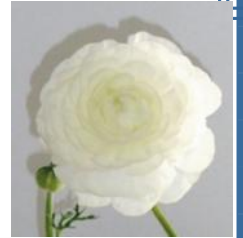
## Membership Scheme

Please [click](#) here to see our Members Directory

Category	Subscription Fee	Voting Rights
Platinum	\$5,000 per year	Max.5 of representatives, with 5 votes
Gold	\$3,000 per year	Max.3 of representatives, with 3 votes
Silver	\$1,000 per year	Max.1 of representatives, with 1 vote
NGO	\$0 per year*	Max.1 of representative, with 1 vote
Individual	\$0 per year	No Voting Right

\*NGO Membership Subscription Fee is waived for non-profit organizations agreeing to provide in-kind support (if appropriate) to eHealth Consortium, eg, promotion of selected events and training programs to their members.

## Mr Andre Greyling (1957 - 2012)



Dear fellows,

eHC would like to show our deepest sorrow that Mr. Andre Greyling, Chief Information Officer, Hospital Authority (HA) passed away on 9 Jul 2012.

It is a great loss to HA, the health IT profession and to our community.

May Andre rest in peace.

With Deepest Sympathy,  
eHealth Consortium

*Thank you for reading our eNewsletter.*

Please visit our website for any update: [www.ehealth.org.hk](http://www.ehealth.org.hk)

### About Us

*Established since 2005, eHealth Consortium is one of the major non-profit making organizations in Hong Kong leading eHealth advocacy in the region and we are the prime agency bridging healthcare and IT industries to advance the development of eHealth in Hong Kong and Mainland China.*

*Over the years, our efforts are focused on three key areas, namely data standardization, education and capacity building, and facilitating pilot projects for the advancement of ehealth applications. We work closely with the healthcare and the ICT sectors to offer training programs, conferences, and seminal events for ehealth stakeholders.*

### Secretariat

**Address:** Room 623, 6/F, Kwong Loong Tai Building, 1016-1018 Tai Nan West Street, Cheung Sha Wan, Kowloon, Hong Kong

**Phone:** +852 3488 3762

**Fax:** +852 3743 4422

**E-Mail:** [info@ehealth.org.hk](mailto:info@ehealth.org.hk)

**Website:** [www.ehealth.org.hk](http://www.ehealth.org.hk)

### Call for Members

We cordially invite you and your organization to participate in the development of eHealth by joining the Consortium as a member!

Please visit <http://www.ehealth.org.hk/membership.php> for details.

### Career and Volunteering

Healthcare expertise and volunteers are the heart of the eHealth Consortium. For information about joining us, please contact our Secretariat or our Human Resources at [hr@ehealth.org.hk](mailto:hr@ehealth.org.hk).

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