

中醫藥從業員電子健康培訓課程 2009

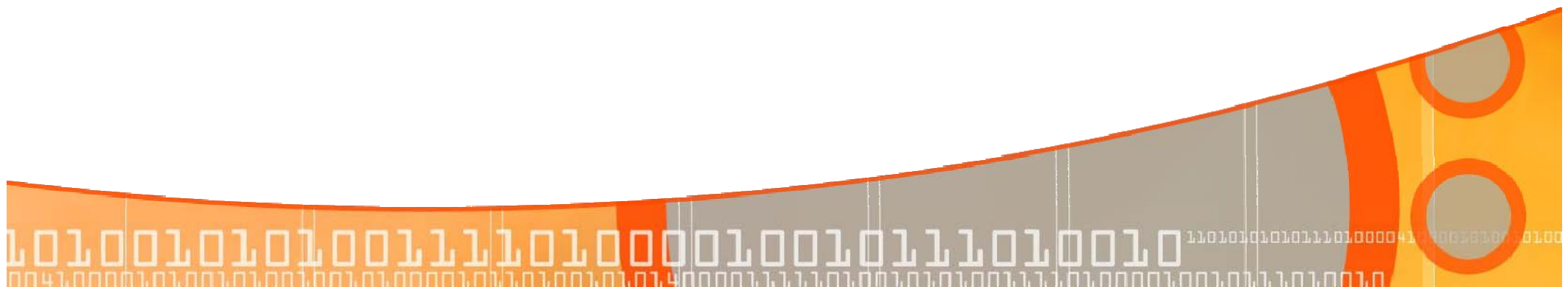
深造班 第一節

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香港醫療資訊學會會長

香港電子健康聯盟執委主席

第一部：前言



手寫病例

20/8/95 Surgical Notes
 - Off ventilator & extubated
 - Hypoxaemic RR 23/min
 - eyes probed
 - Chest wound less discharge but still erythematous
 - Dressing x 5-6 times
 - still on antibiotic - Jackson. J. & J. /
 Plan: Send stool for Clostridium difficile /
 Diarrhoea persists for 2 days

正牛黃下 巴豆霜下 全蝎
 血珀下 磁砂下 川野蓮下
 正珍珠下 生軍牙
 雄黃精下 正大梅片下
 網末 九 18

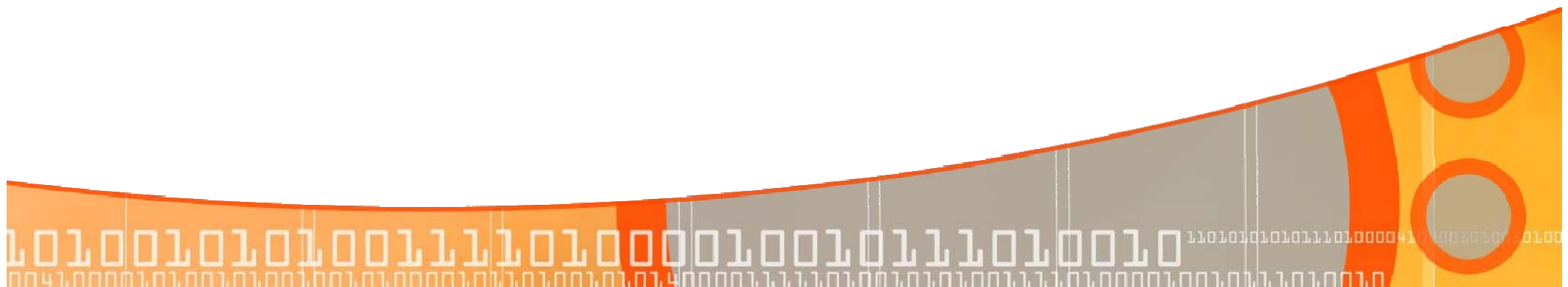
今天的病案



醫療資訊

- 醫療資訊是一門應用電腦、通訊、資訊科技及系統於醫科的科學 (Medical informatics is the application of computers, communications and information technology and systems to all fields of medicine (Collen, 1980))
- 包含認知、信息處理、通訊、教育及科研 (the field concerned with the cognitive, information processing, and communication tasks of medical practice, education, and research (Greenes and Shortliffe, 1990))

第二部：電子化病歷



電子化病歷

- 電子病歷結合醫療知識及其他工具，在臨床管理系統中為使用者提供全面、準確的資訊、警示、提示及臨床決策支援 (An electronic patient record that resides in a system specifically designed to support users by providing accessibility to complete and accurate data, alerts, reminders clinical decision support)
- 電子病歷是一項醫療服務的基本科學 (The Computer-based Patient Record - An Essential Technology for Health Care (1991, 97))

電子化病歷

目標

病人為本
的健康記錄



家庭醫生概念
融合基層醫療
及住院護理



公私營醫療合作



衛生署



醫院管理局



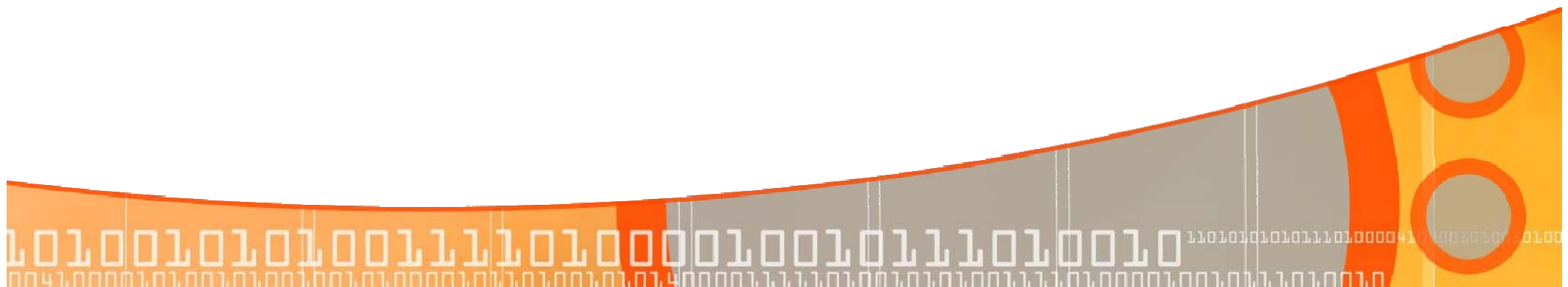
私家醫院

電子健康記錄
醫療改革的重要基建平台

電子化病歷的優點

- 病人得益
 - 提供準確及時的病歷
 - 減少重覆檢查
- 醫護人員得益
 - 更高效率臨床服務
 - 更易獲取資訊
 - 更豐富資訊及更佳臨床判斷
 - 減少錯漏
 - 遙距問診
- 機構得益
 - 更有效運用資源
 - 提供計劃、科研、管理的數據

第三部：香港20年電子醫療發展



香港20年電子醫療發展

- 1986 前期
- 1987 香港醫療資訊學會成立
- 1988 碰釘子
- 1991 醫院管理局成立
- 1992-2003 公共醫療資訊系統開發、成熟
- 2003 “沙士”
- 2004 私營市場系統開發
- 2006 香港電子健康聯盟
- 2007 政府電子健康方針公佈
- 2008 醫管局系統重建

香港特別行政區人口統計

- 面積 1,104 平方千米
- 人口 690 萬 (男 330萬 ; 女 360萬)
- 人口增長率 0.8%
- 出生率 8.3%
- 死亡率 5.5%
- 家庭數目 300 萬
- 平均人壽 (男 78.8 ; 女 84.4)
- 每千名初生嬰兒夭折率 2.4
- 每千名醫療專業人士 (4.9 病床、1.7 醫生、5.1 護士、0.7 中醫、0.3 牙醫、0.2 藥劑師)



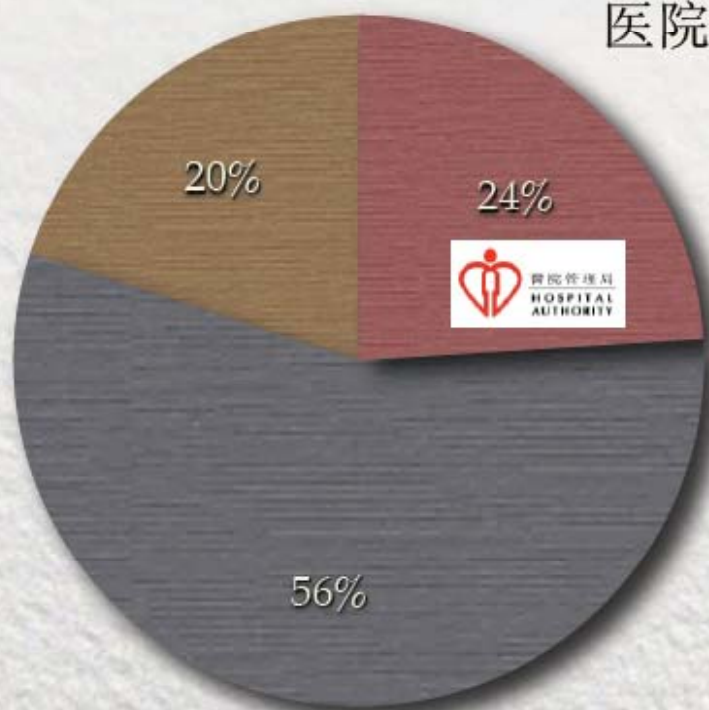
香港的醫療市場

● Public ● Private ● TCM

医院管理局

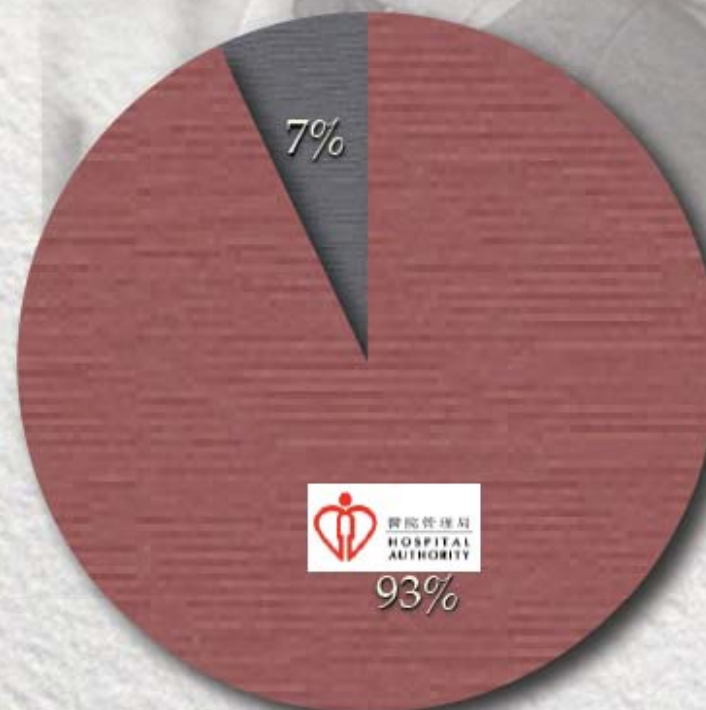
私营

中医



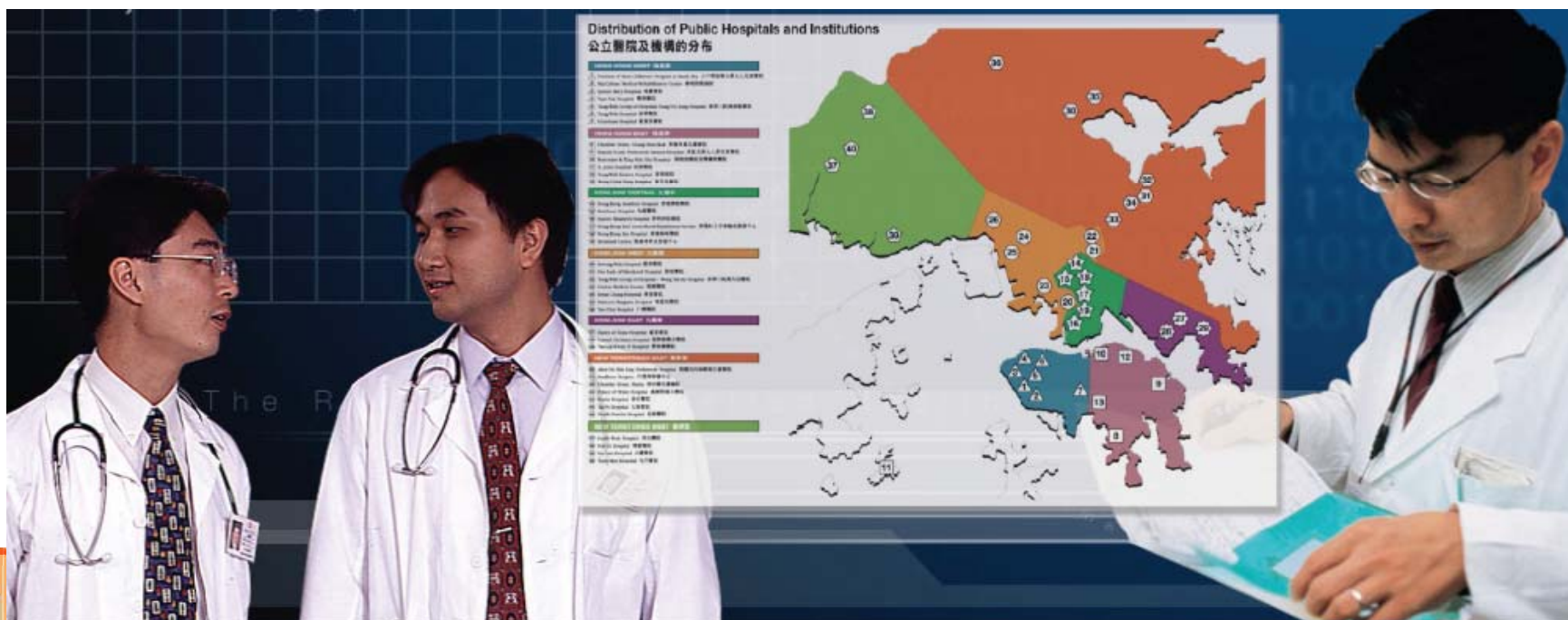
基层医疗

住院及专科服务



香港醫院管理局

- 43 醫院
- 46 專科門診
- 74 普通科門診
- 52,000 名員工
- 7,000,000 病歷表
- 1,000,000 每年住院人次
- 13,000,000 每年門診人次



臨床管理系統發展

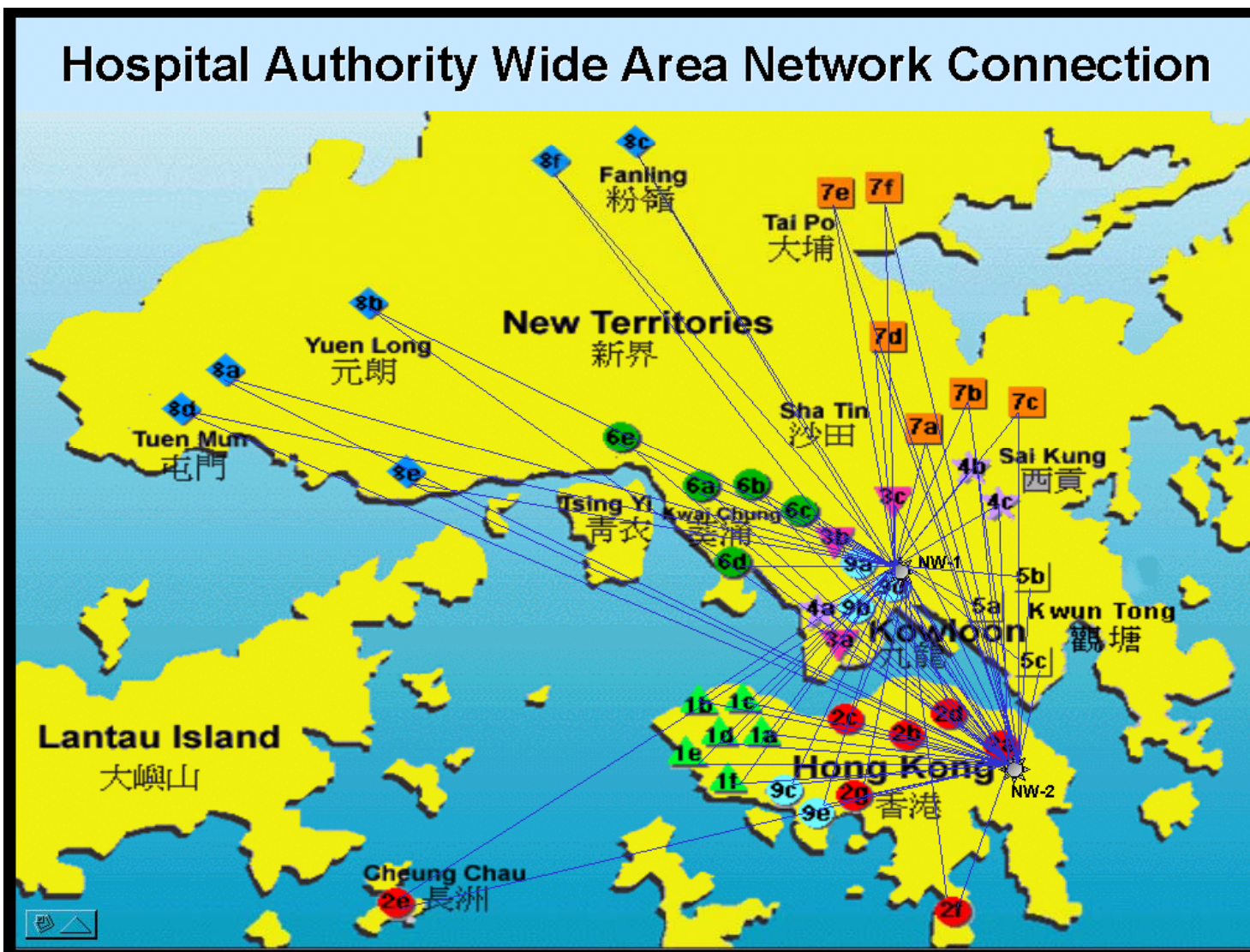
- 1990 – 沒有系統 "Green Fields"
- 1991 – 病人登記 Patient Administration
- 1992 – 藥房系統 Pharmacy System
- 1993 – 化驗系統 Lab Results Online
- 1994 – 放射資訊系統 Radiology Information System
- 1995 – 臨床管理系統 Clinical Management System
 - 臨床記錄及處方系統 Clinician Documentation and Order Entry
- 2000 – 第二代臨床管理系統 CMS Phase II
 - 電子病歷 Electronic Patient Record (ePR)

臨床管理系統發展

- 2003 - 電子沙士系統 eSARS
- 2004 - 放射影像放送系統 ePR Image Distribution
- 2006 - 公私營電子病歷公享 ePR Sharing with Private Sector

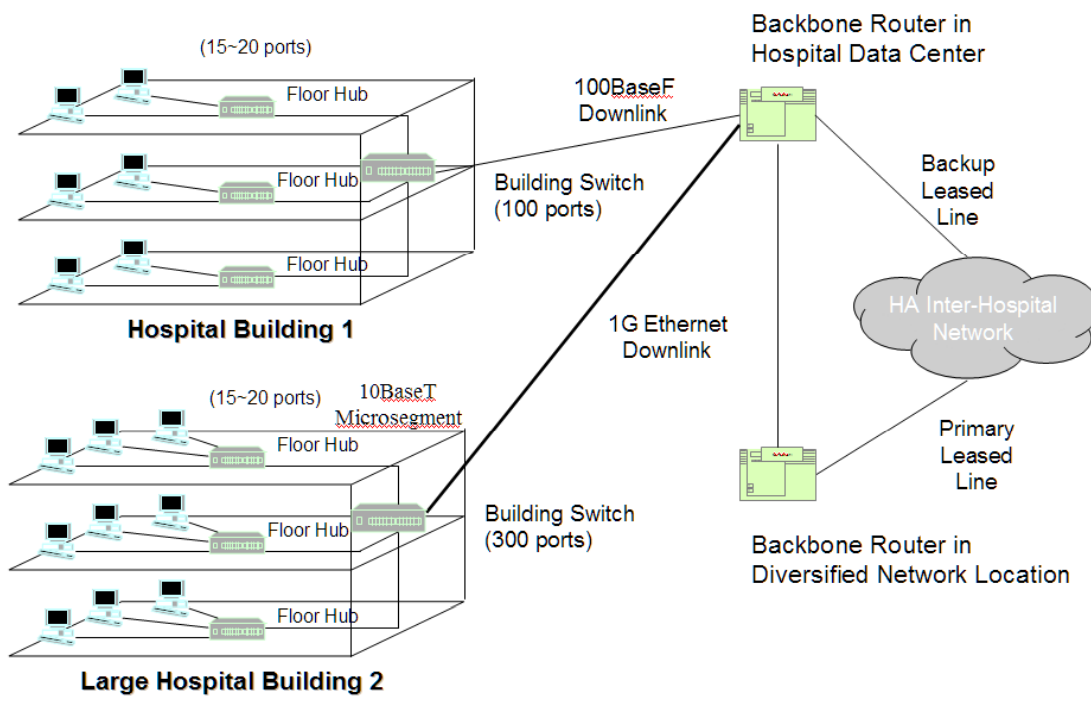
臨床管理系統發展

Hospital Authority Wide Area Network Connection

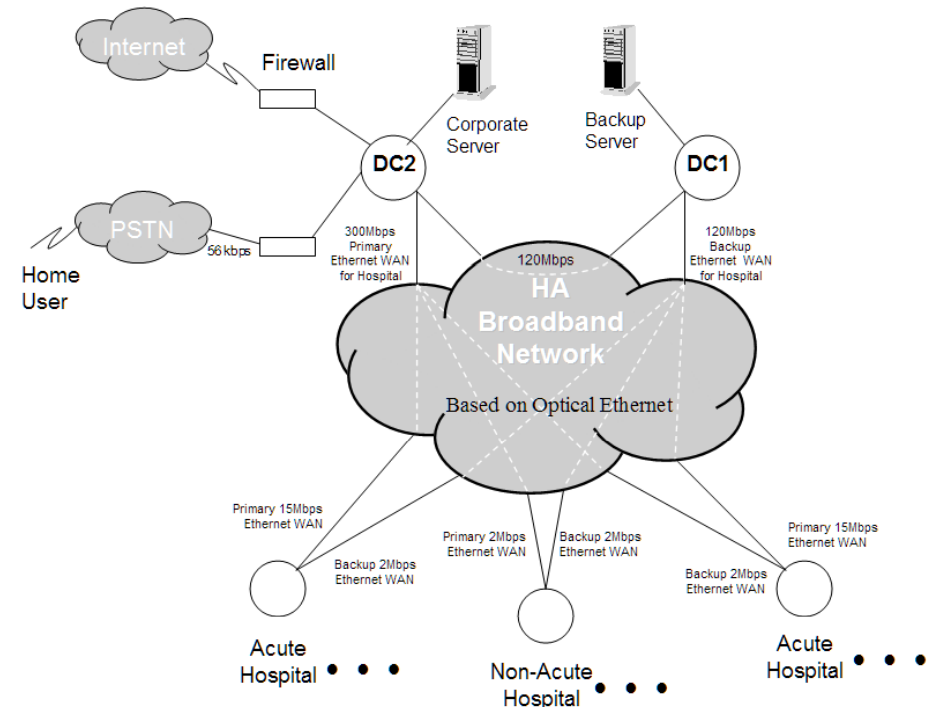


臨床管理系統發展

Intra-Hospital Campus Network




HA Wide Area Network

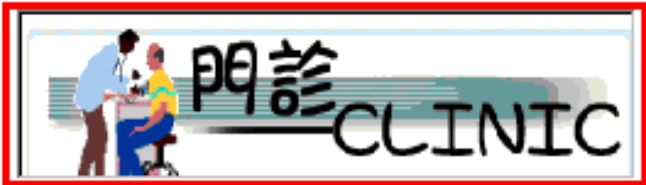


臨床管理系統發展


Hospital Authority



病房 WARD




門診 CLINIC



常用連結 USEFUL LINK

- [PWH Intranet Home Page](#)
- [HA Intranet](#)
- [HA News Update](#)



Hospital Authority
Clinical Management System
Version 2.0.0059.004

Logon:

OK

Password:

Shutdown

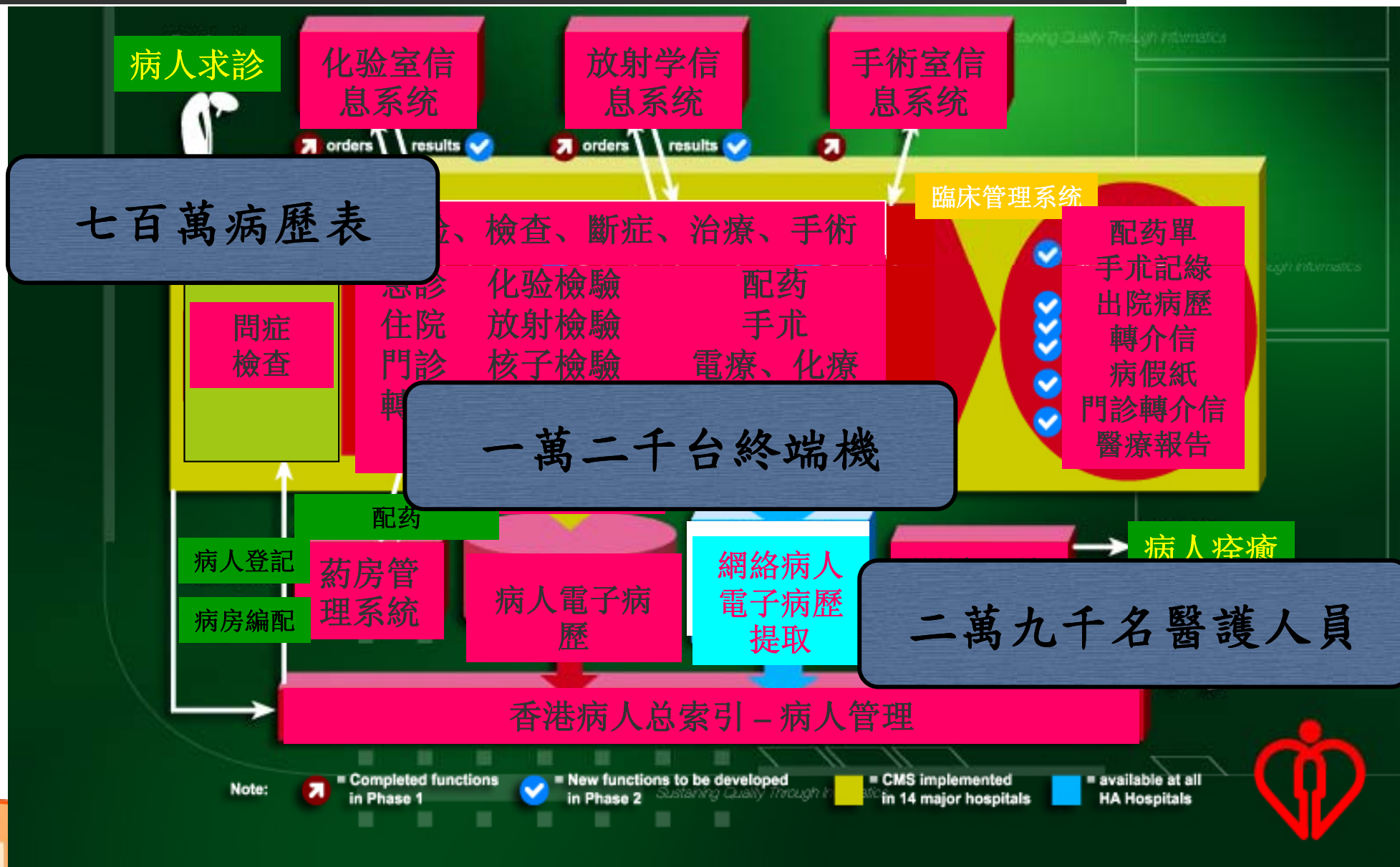
Reboot

Important Notes

1. All patient information is strictly confidential
2. Staff may only use the CMS for authorised purposes
3. All access to CMS is logged
4. Please logoff immediately after use
5. Please ensure you have verified the content before you sign the computer printouts

PWH

醫院管理局 臨床管理系統



電子病歷紀錄

- 提供以網絡為基礎，為本港市民而設的終生病歷紀錄 (Web-based lifelong longitudinal record of all healthcare transactions for all Hong Kong citizens)
- 各種數據包括多媒體及數碼化放射影像數據 (Many data formats including multimedia and digital radiology)
- 病人私隱權受存取管制及核查紀錄之保障 (Patient privacy protected with access controls and audit logs)
- 在醫院管理局轄下之162所設施中使用 (Available at all 162 facilities in HA)

電子病歷內容

- 病人個人資料
- 入院及門診紀錄
- 藥物敏感及警示
- 化驗報告
- 放射報告
- 藥物處方
- 診斷
- 手術、醫療操作
- 住院摘要
- 復康治療
- 產科紀錄
- 其他專科資料
- 放射影像

高用量系統

- 7,600,000 病人
- 57,000,000 求診人次
- 540,000,000 化驗報告
- 34,000,000 放射報告
- 230,000,000 藥物處方
- 1,000,000 放射影像
- 系統反應時間（少於一秒）
- 系統運作時間（7x24 100%）
- 接近實時更新

電子病歷在醫療上的重要性

Each Day...

12,000 users

90,000 patients

2 M CMS transaction

400,000 ePR transaction

To Date...

8 M patient records

2.2 Tb ePR data volume

4.8 Tb ePR Images

41 M radiological images

700 M ePR Lab records

290 M Dispensed drugs




以標準為基礎


- 採用國際性通用的資訊科技標準 International Standards
 - HL7, ICD, LOINC, SNOMED, DICOM
- 建立本地標準 Locally Developed
 - 臨床資訊框架 CDF
 - 醫院管理局醫療資訊架構 Entity ID

登入臨床管理系統


Hospital Authority



病房 WARD




門診 CLINIC



常用連結 USEFUL LINK

- HA News Update **NEW!**
- HA Intranet
- HA LIS eKG
- Pharmacy Info.

- User Guide



Hospital Authority
Clinical Management System
Version 2.0.0085.006

Logon:

Password:

Important Notes

1. All patient information is strictly confidential
2. Staff may only use the CMS for authorised purposes
3. All access to CMS is logged
4. Please logoff immediately after use
5. Please ensure you have verified the content before you sign the computer printouts

AHN

醫囑 — 藥物

Drug History

Previous Prescription						Prescription Duration	
Date	Case No.	Ref.No.	Ordered by	Status	Type	Start Date	End Date
02/06/2004	TKG10274071(Z)	0881	TKG1 - TJR6	Vetted	Out-Patient	22/06/2005	16/08/2005
19/04/2004	SOPD0000771(S)	7597	MED - GEN	Vetted	Out-Patient		
09/01/2004	SOPD0000771(S)	6350	MED - RESA	Vetted	Out-Patient		
19/12/2003	SOPD0000771(S)	7440	MED - RESA	Vetted	Out-Patient		
07/11/2003	SOPD0000771(S)	7487	MED - RESA	Vetted	Out-Patient		

Start Date: 22/06/2005 for 8 Weeks
End Date: 16/08/2005 All Future Appt.
Hospital Code: VH

Prescription Details			
<input checked="" type="checkbox"/>	BONJELA oral gel 15g oral : bd prn	for 8 Weeks	Select All
<input checked="" type="checkbox"/>	LASIX (FRUSEMIDE) tablet oral : 20 mg daily	for 8 Weeks	Add
<input checked="" type="checkbox"/>	SENOKOT (SENNA) tablet oral : 15 mg nocte prn	for 8 Weeks	Deselect All
<input checked="" type="checkbox"/>	THYMOL GARGLE COMPOUND mouthwash 1 in 4 buccal : bd	for 8 Weeks	ePR
<input checked="" type="checkbox"/>	VENTOLIN (SALBUTAMOL SULPHATE) inhaler 100mcg/dose 200dose(s) inhalation : 2 puff(s) qid prn , dispense 2 vial	for 8 Weeks	CDDH
<input checked="" type="checkbox"/>	ATROVENT (IPRATROPIUM BROMIDE) inhaler 20mcg/dose 200dose(s) inhalation : 2 puff(s) qid , dispense 2 no start from TKOH med	for 8 Weeks	Show Dispense
<input checked="" type="checkbox"/>	MV (MULTIVITAMIN) tablet oral : 1 tablet(s) daily	for 8 Weeks	Full History
			Cancel

化驗

Add Ix

By User Discipline: All Ix: Search

MED - COMMON Tx ICU HD PD ICU COMMON SEPSIS APO LIVER TRANSPLA

---Chemical Path---
 Blood Gases
 Renal Function, plasma
 Liver Function, plasma
 Bone Profile, plasma
 Urate, plasma
 Amylase, plasma
 Glucose fasting, plasma
 Glucose randomized, plasma
 Cardiac Enzymes, plasma
 CK isoenzyme MB, serum
 Haemoglobin A1c, blood
 Lipids(CHOL, TG)
 High Density Lipoprotein Chole
 LDL Cholesterol, plasma

Iron Profile
 Sodium, spot urine
 Potassium, spot urine
 Protein total, 24 hour urine
 Creatinine, 24 hour urine
 Creatinine Clearance, urine
 Occult Blood, stool

---Haematology---
 CBC only
 Differential WBC
 Film Comment
 Reticulocyte Count
 ESR
 APTT
 PT/INR & APTT

---Microbiology---
 Blood,Routine culture
 Sputum,Microscopy + culture
 Sputum,AFB smear & TB cult
 MSU,Microscopy + culture
 EMU,AFB smear & TB culture
 Stool,Microscopy + culture
 Stool,Examination for parasite
 Throat Swab,Microscopy + c

 Protein total, cerebral spinal
 Glucose, cerebral spinal fluid
 CSF,AFB smear & TB culture
 CSF,Microscopy + culture

New Ix Urgent
LAB
RFT/LFT, plasma
Creatine Kinases, pla
CBC only
XRAY R
Chest

Select All Modify User Folder Add Ix Edit Delete

Input Methods
 By Dx By User By Discipline

Save Cancel

電子病歷紀錄概覽

HA - Tree View Prototype (build 041008) - Microsoft Internet Explorer

Address: http://epr.home/epr/Content/login_validator.asp

HKI K1233456 Name: Patient DOB: 02/03/1956 (Exact? Y) Age: 48y Sex: F details next patient Logout

Summary Schedule

Patient

- Diagnosis
- Procedure
- Clinical Note
 - All
 - Discharge Note
 - OP Note
 - AE Note
- Radiology Record
 - Radiology Result
 - Radiology Appointment
- Medication
 - Dispensed - By Episode
 - Dispensed - Summary
- Procedure Record
 - ERS
 - OTRS
- Laboratory Result
 - Blood Group Result
 - Cumulative Common
 - Specialty Profile
 - Medical
 - DM
 - Immunology
 - Liver
 - Renal
 - Thyroid
 - Anaesthetic
 - SARS
 - Common Profile
 - Biochemistry Result
 - Haematology Result

Diagnosis

Last Entry	Description
03/12/2004 (x14)	End Stage Renal Failure
31/12/2003 (x4)	Chronic renal failure
13/08/2003	Vomiting alone
21/07/2003	Peritonitis related to continuous ambulatory peritoneal dialysis
23/06/2003	Kidney dialysis as the cause of abnormal reaction of patient, or of later complication
14/03/2002	Hypotension
31/10/2001	Other specified surgical operations and procedures causing abnormal patient reaction, or later complication
31/10/2001	Wound bleeding, postoperative

Drug Allergy

Description: Nil

Current Medication Legend

Last Dispensed	Drug name (Route)
11/10/2004	AMITRIPTYLINE HCL (Oral)
11/10/2004 (x 2)	ERYTHROPOIETIN BETA (Injection)
11/10/2004 (x 2)	SUSTANON 250 (Injection)
11/10/2004	SODIUM BICARBONATE (Oral)
11/10/2004	FAMOTIDINE (Oral)
11/10/2004	ALUMINIUM HYDROXIDE (Oral)

Procedure

Last Entry	Description
03/12/2004 (x12)	Haemodialysis
16/12/2003 (x2)	Tenckhoff catheter removal
14/11/2003	Creation of arteriovenous fistula
16/09/2003 (x2)	Insertion of Tenckhoff catheter
13/07/2003	Bone marrow examination
13/07/2003	Echocardiography
13/07/2003	Ultrasonogram of abdomen
13/07/2003	Whole body scan, gallium
13/07/2003	CT abdomen with contrast
13/07/2003	Removal of haemodialysis catheter
13/07/2003	Insertion of haemodialysis catheter

Recent Schedule Legend HKPMI View

Date	Hospital / Clinic	Service Type	Description
24/01/2005 08:45	YMT/YMTSCE	SOPD	Medicine / Ne
✓ 06/12/2004 13:30	QEH	IP	Medicine / Int

化驗報告

Search by Request Date [Legend](#) [Print](#)

Request Date Period Request Date Range

Period: OR From Date: To Date:

Most recent from the left Page of 5

Hospital Code	QEH	QEH	QEH	QEH	QEH	QEH	QEH
Collect Date	11/03/06 14:06	11/03/06 14:06	10/03/06 15:40	10/03/06 15:40	09/03/06 17:02	09/03/06 09:47	09/03/06 09:47
Please click the test name for single test view							
Haemoglobin, Blood	---	---	---	10.7 ↓	---	---	11.4 ↓
WBC	---	---	---	15.8 ↑	---	---	7.3
Platelet	---	---	---	135 ↓	---	---	195
Prothrombin Time	---	---	---	---	12.7 ↑	---	---
APTT	---	---	---	---	33.4	---	---
Sodium	136 ↓	---	131 ↓	---	---	133 ↓	---
Potassium	3.9	---	3.4 ↓	---	---	3.9	---
Urea	2.5	---	3.5	---	---	2.5 ↓	---
Creatinine	44	---	58	---	---	56	---
Calcium	---	---	2.20	---	---	---	---
Phosphate	---	---	0.51 ↓	---	---	---	---
Protein, Total	65	---	67	---	---	77	---
Albumin	36	---	36	---	---	43	---
Bilirubin, Total	3	---	6	---	---	7	---
Alkaline Phosphatase, Total	53	---	59	---	---	74	---
Alanine Aminotransferase	23	---	29	---	---	60 ↑	---

放射影像報告

HKID: K1001000 Name: PATIENT, 305997(病人) DOB: 01/12/1965 (Exact? Y) Age: 39 Sex: F Death: N

Patient Name: PATIENT, 305997(病人)

Summary Schedule Latest ix results

print

- PATIENT, 305997
 - Diagnosis
 - Procedure
 - Clinical Note
 - All
 - Discharge Note
 - AE Note
 - Radiology Record
 - Radiology Result
 - Radiology Appointment
 - SARS Report
 - SARS Mini Data Set
 - Past SARS Clinic
 - SARS Specific Lab. Result
 - Procedure Record
 - ERS
 - OTRS
 - Functional Outcome
 - Rehabilitation Outcome Rep
 - Laboratory Result
 - Blood Group Result
 - Cumulative Common
 - Specialty Profile
 - Medical
 - DM
 - Immunology
 - Liver
 - Renal
 - Thyroid

Search by Request Date legend

Request Date Period Request Date Range

Period: -- All -- OR From Date: To Date: go reset

HN050000002	10/01/2005	14:02	XRAY	Clavicle	AHN
HN050000001	10/01/2005	12:39	XRAY	AC joint	AHN
No case no	07/01/2005	14:55	CT	Shoulder plain	AHN
No case no	07/01/2005	14:55	CT	Shoulder +con.	AHN
No case no	07/01/2005	14:53	XRAY	AC joint	PWH
No case no	07/01/2005	14:52	XRAY	Chest	NDH
No case no	07/01/2005	14:52	XRAY	Chest + Ba	NDH

Report copy find

Last Updated Date: 10/01/2005 17:19 Last Endorsed Date: 10/01/2005 17:19

Content:

URGENT PLAIN CT BRAIN.

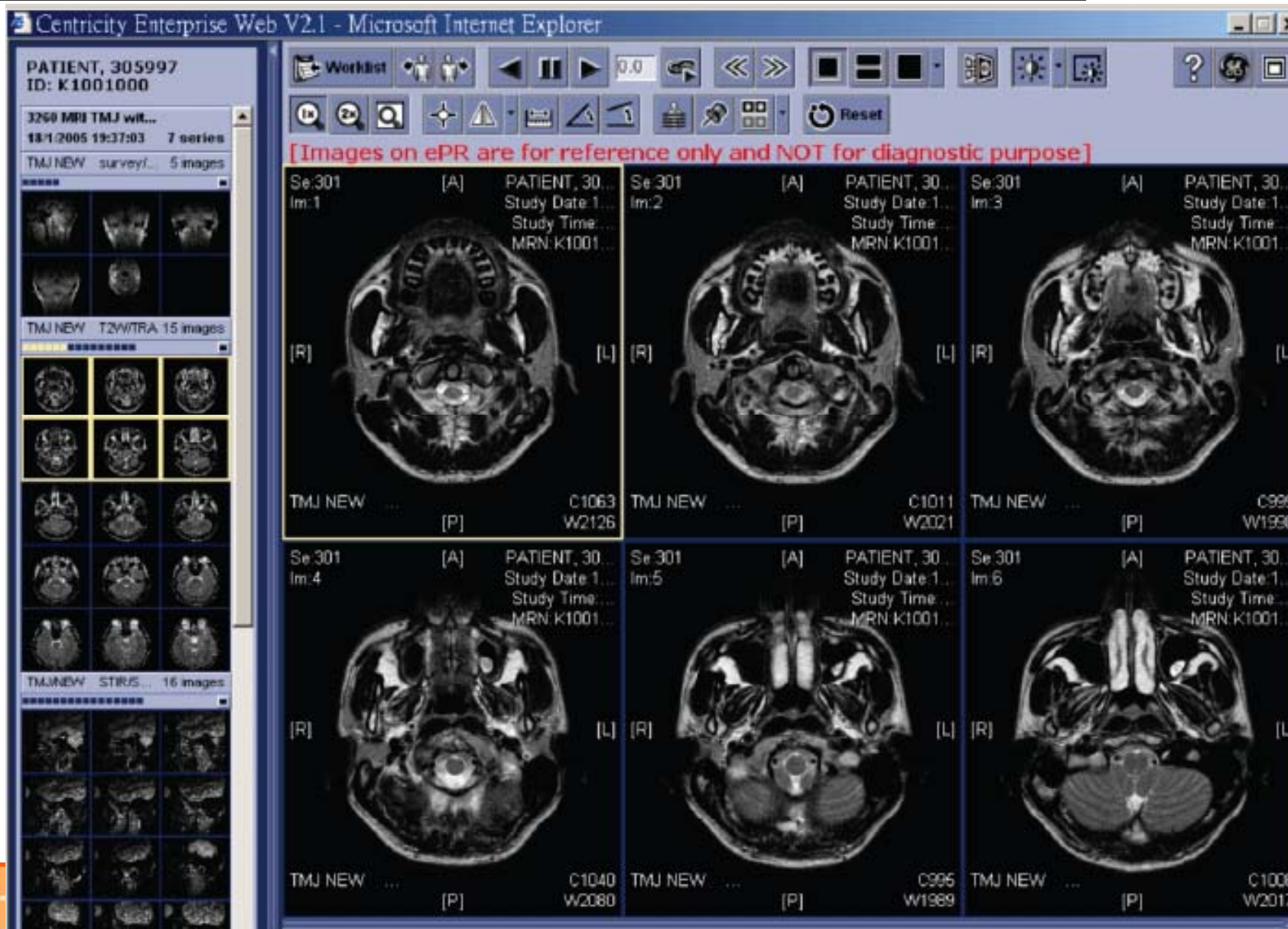
Clinical History:
Head injury with LOC and vomiting. (history from ePR: patient has history of NPC and Ca lung).

Technique:
- 5mm non-contrast axial CT scans of the posterior cranial fossa.
- 10mm non-contrast axial CT scans of the rest of the brain.

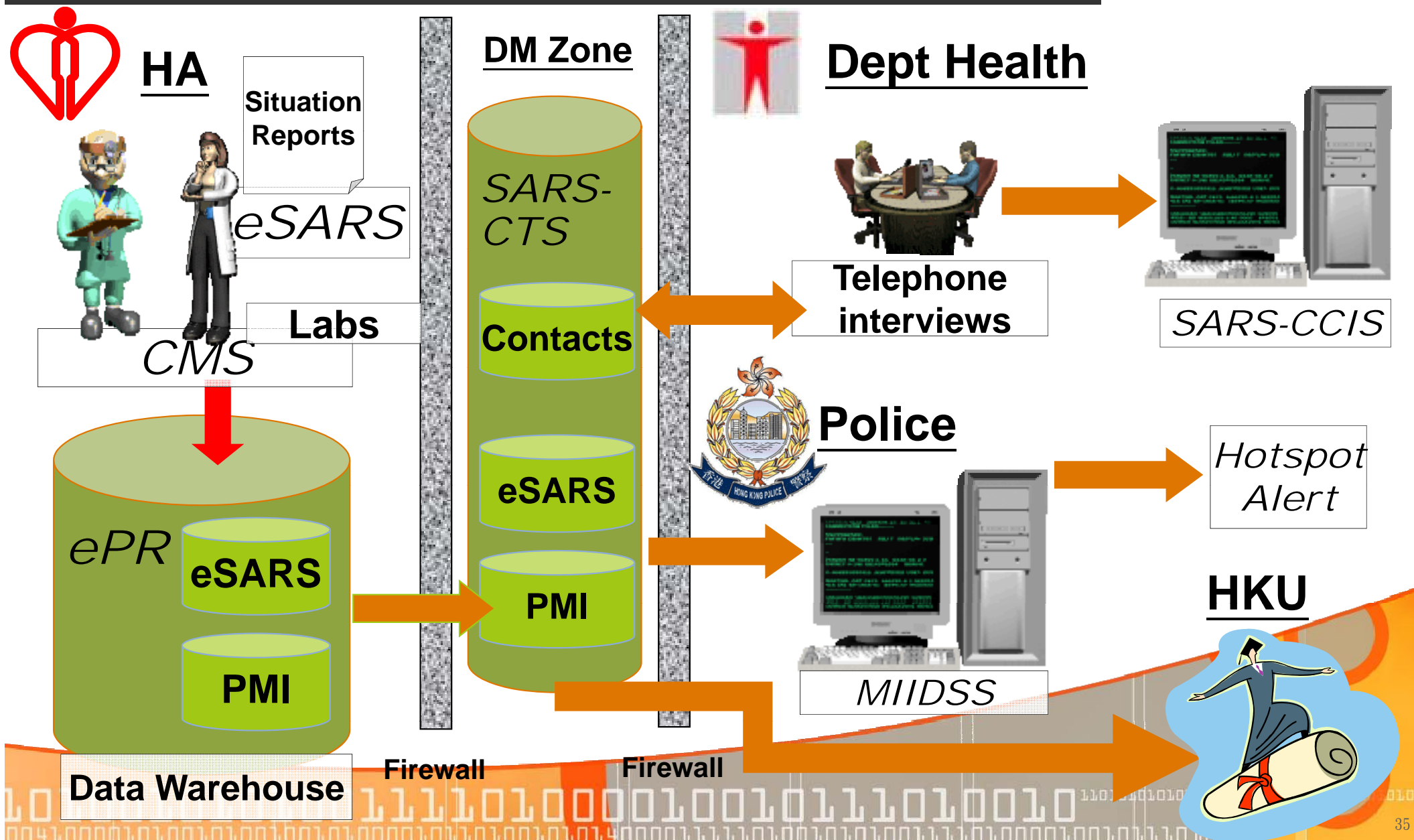
Findings:
There is a hyperdense subdural haematoma in the left frontoparietotemporal region. It measures 9mm in thickness.
There is mild mass effect with ipsilateral sulcal, ventricular effacement and mild midline

1st Endorsed By: RiS User for DEMO 2nd Endorsed By:
1st Endorsed Date: 10/01/2005 17:19 2nd Endorsed Date:

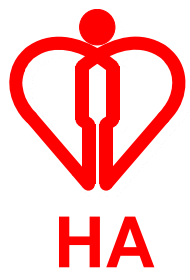
放射影像



eSARS 架構



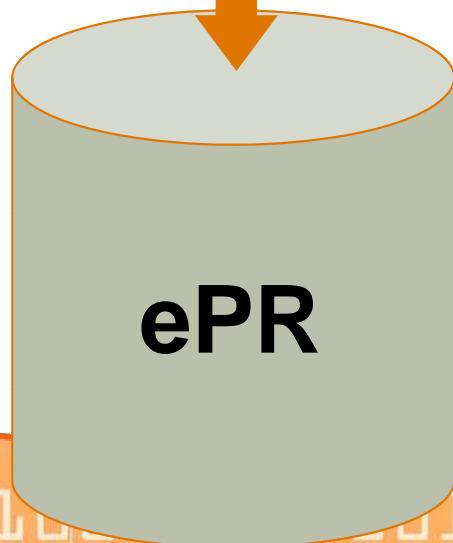
分享電子病歷



Patient key

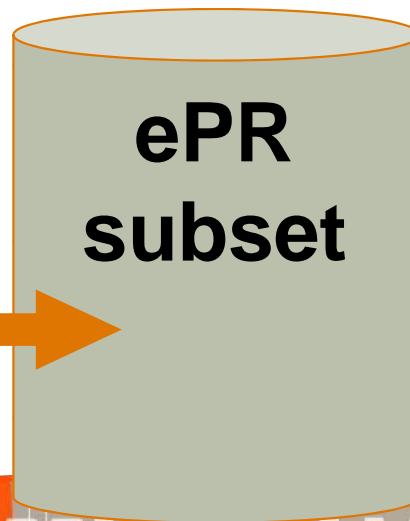
CMS

CMS



ePR

DM Zone



ePR subset

Private Doctor



Patient key

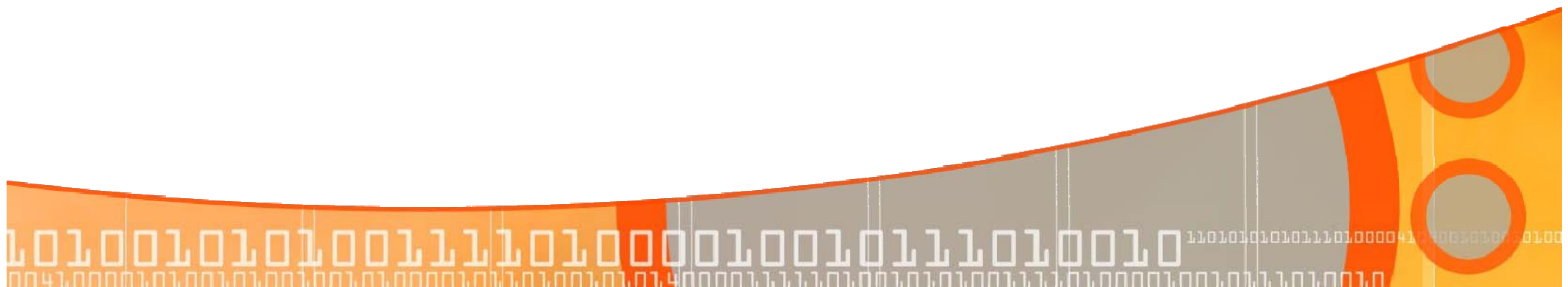
Secure Token



Firewall

Firewall

第四部：中醫醫療資訊系統



診症病歷記錄

Microsoft Internet Explorer 2005年04月20日(星期三)

中醫醫療資訊系統

IT系統管理員

中醫門診暨科研中心

檔案	預約	掛號/登記	評估	診察	配藥	藥物管理	收診帳	查詢	統計報表	說明
----	----	-------	----	----	----	------	-----	----	------	----

診症

求診人個人資料

求診人號碼	<input type="text" value="900000000312"/>	身份證號碼	<input type="text" value="UP9003129"/>	年齡 / 性別	25歲/男
英文姓名	<input type="text" value="LAM"/> (姓) <input type="text" value="Siu Yuen"/> (名)	中文姓名	<input type="text" value="林小丸"/>	電話號碼	<input type="text" value="27110157"/>

求診日期: 2004/2005 科類: 門診內科
 求診次數: 4

四診摘要	診斷治則	非藥物治療
------	------	-------

主訴

病史

檢查

脈象(左) **脈象(右)**

舌色 **舌態**

苔色 **苔質**

處方用藥

處方 - Microsoft Internet Explorer

2005年04月20日(星期三)

中醫醫療資訊系統

IT系統管理員

中醫門診暨科研中心

檔案 預約 掛號/登記 評估 診察 配藥 藥物管理 收診紙 查詢 統計報表 說明

處方

求診人個人資料

求診人號碼: 900000000312
 英文姓名: LAM (姓) Siu Yuen (名)
 身份證號碼: UP9003129
 中文姓名: 林小丸
 年齡/性別: 25歲/男
 電話號碼: 27110157

處方

藥物資料

內碼	藥物名稱	每劑份量	單位	備註
<input type="checkbox"/> 02MU01	知母	12	克	
<input type="checkbox"/> 0HBC01	黃柏	10	克	
<input type="checkbox"/> 0SDHD1	熟地黃	15	克	
<input type="checkbox"/> 0SYA01	山藥	15	克	
<input type="checkbox"/> 0ZXD2	澤瀉	15	克	
<input type="checkbox"/> 0FLD1	茯苓	15	克	
<input type="checkbox"/> 0MDF01	牡丹皮	12	克	
<input type="checkbox"/> 0SZY01	山茱萸	12	克	
<input type="checkbox"/> 0BSHD1	白芍	15	克	
<input type="checkbox"/> 0YCH01	茵陳	25	克	
<input type="checkbox"/> 0PGY01	蒲公英	20	克	
<input type="checkbox"/> 0DSHD1	丹參	20	克	

服用日數: 4 每日服用劑數: 1 每劑服用: 2次
 共 12種 外用

診症資料

求診日期: 2004/2005 科類: 門診內科
 求診次數: 4

處方 (共 1張) 新增處方

藥物類別: A - 中藥類

藥物搜尋

常用藥物 單
 所有藥物 複

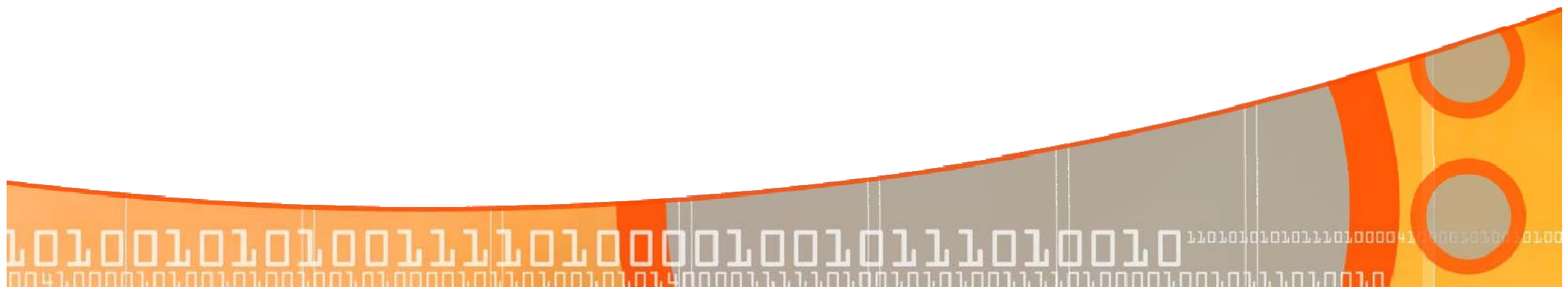
- 艾葉 (共用)
- 百部 (共用)
- 補骨脂 (共用)
- 薄荷 (共用)
- 白花蛇舌草 (共用)

服用指示

煎藥及服用方法:

沸水三碗煎至一碗,飯後服

第五部：國際展望



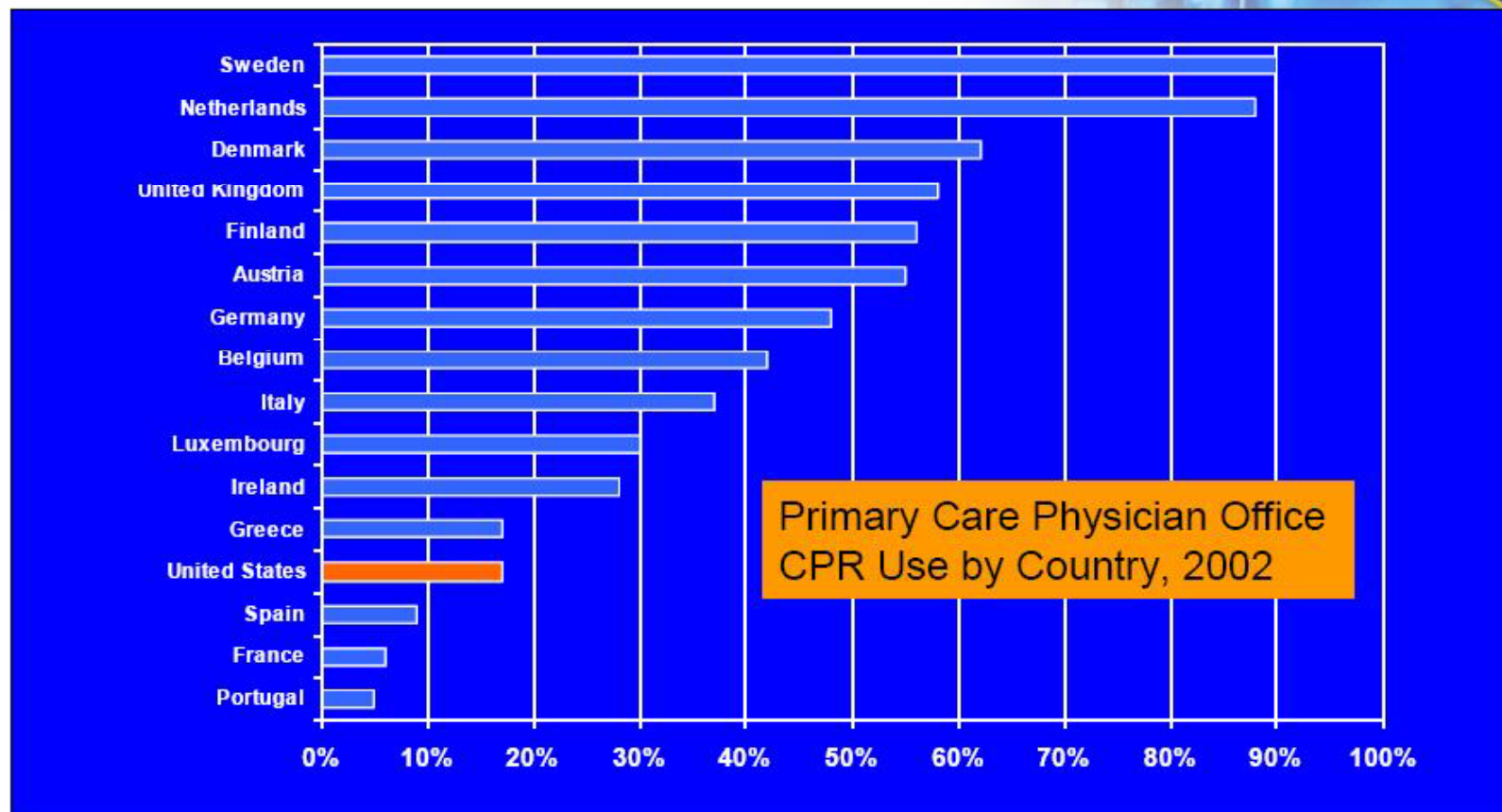
HIMSS EMR Adaption Survey 2006

Stage	Cumulative Capabilities	% of USA Hospitals
Stage 7	Medical record fully electronic; CDO able to feed EHR as by-product of EMR	0.00%
Stage 6	Physician documentation, full CDSS (variance & compliance), full PACS	0.1%
Stage 5	Closed loop medication administration	0.5%
Stage 4	CPOE, CDSS (clinical protocols)	1.9%
Stage 3	Nursing Documentation, eMAR, CDSS (error checking), PACS	8.1%
Stage 2	CDR, CMV, CDSS interface engine, Document Imaging	49.7%
Stage 1	Ancillaries - Laboratory, Radiology, Pharmacy	20.47%
Stage 0	No Ancillaries installed	19.3%

CPR Adoption Gap (US vs Others)

The “CPR Adoption Gap”: The United States vs Others

PARTNERS
Clinical Informatics
Research & Development



環球電子健康形勢

	<u>HK</u>	<u>Australia</u>	<u>UK</u>	<u>USA</u>
Manage	Corporate	Corporate	Local	Local
Funding	1.9% (5%)	2% (9%)	2% (6%)	4% (14%)
Operations	> Central	> Central	> Central	> Central
Software	In-House	Packages	Packages	Packages
ERP System	No	Yes	Yes	Yes
CPR System	Advanced	Implement	Implement	Advanced
Doctors Use	Most	Few	Few	Few
Outsource	No	Yes	Yes	Yes
ASP's	No	No	No	Yes
Local Vendor	No	Yes	Yes	Yes



國際性榮譽

Best in Class Around The World

Project Implementation/
Scope Management

Hong Kong

- Focused Uniform Clinical Information Systems Project
- Focus on Ancillary Integration
- Probably not replicable anywhere else in the world

Components/
Innovations

United States

- Clinical Support
- Advanced Models For Clinical

Security/Privacy

- Active Engagement of Consumer Advocacy Groups
- Smart Card Solutions For Authentication except in U.S.

項目管理

- 統一臨床資訊系統項目
- 系統整合

國際性榮譽-電子化"非典"系統

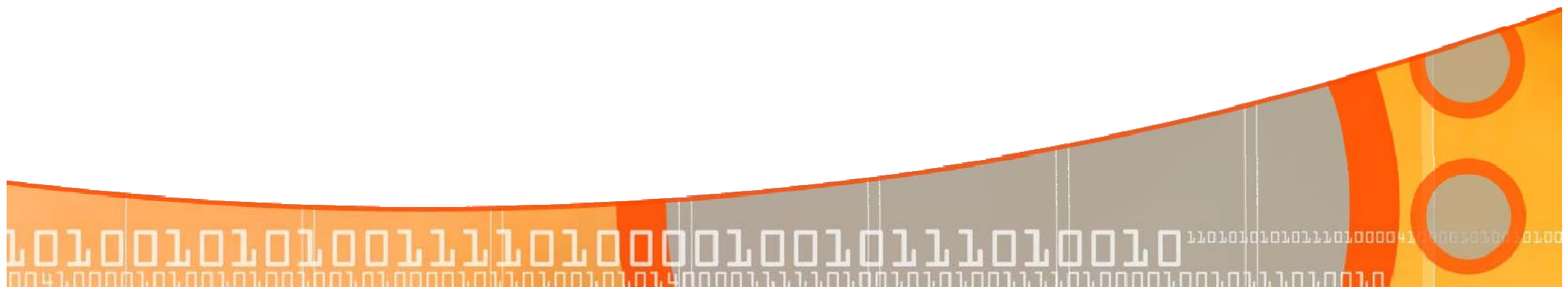
- 世界衛生組織：電子化“非典”系統乃首個應用互聯網以處理重要公共衛生及健康問題之系統 (“eSARS is the first large scale use of the Internet to help manage a public health problem”)
 - Mike Ryan (Coordinator, WHO Global Outbreak Alert and Response Network)
- Winner of the Health Prize in the 2004
- Stockholm Challenge



缺點

- 院內每天臨床記錄仍未電子化
- 私營醫療只有10%電子化
- Medical Decision Support 基礎缺乏
- 公私營市場未共享電子病歷

第六部：未來發展及總結



未來發展 Way Forward

- 利用臨床資料改善服務 (Improved care through better clinical information)
- 更快、更準、更完整病歷 (Timely, accurate, comprehensive records)
- 風險管理 (Risk Management)
- 更佳數據改善質素 (Better data for quality improvements)
- 更整合醫療服務 (Integrating healthcare)

整合醫療服務

- 處理公私營醫療失衡 (Addressing the imbalance between public and private care)
- 改善公私營資訊共享 (Improving information sharing between sectors)
- 建立全地區性電子病歷 (Creating the community wide Electronic Health Record)
- 改善可持續發展醫療系統 (Improving the sustainability of the healthcare system)

電子健康記錄互通督導委員會

電子健康記錄互通督導委員會

電子健康記錄
協作工作小組

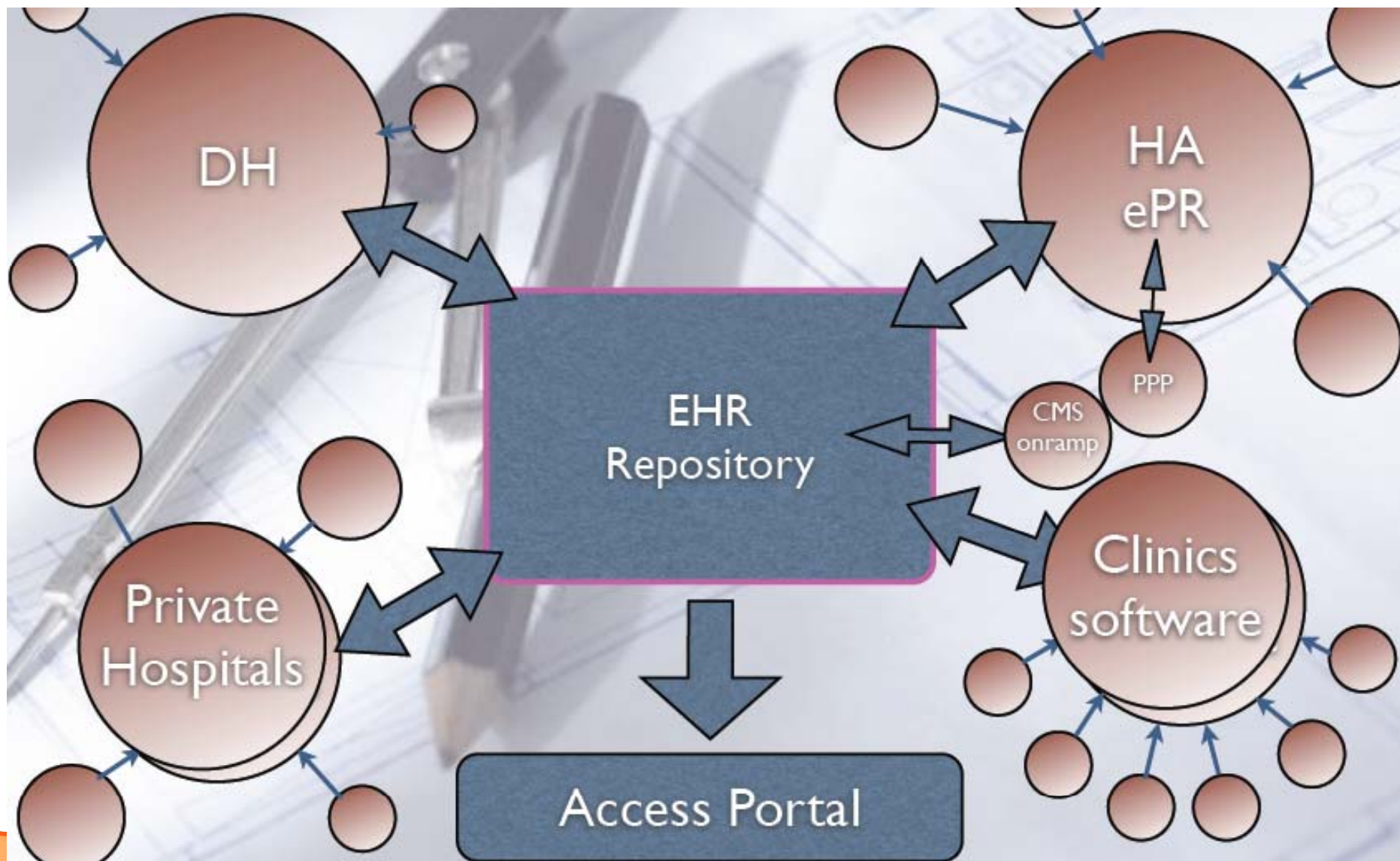
電子健康記錄
及信息標準
工作小組

法律、私隱
及保安問題
工作小組

組織安排
工作小組

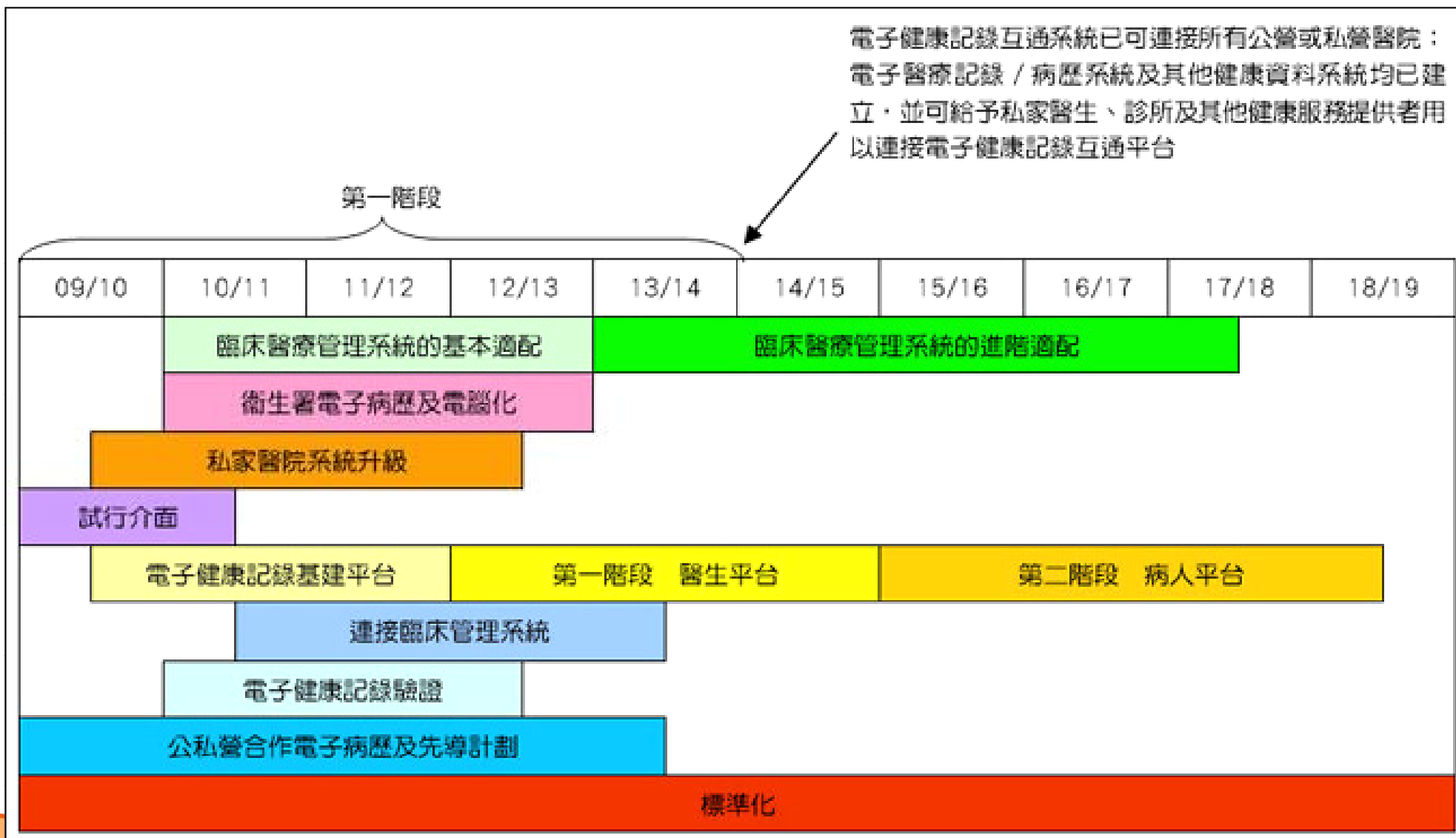
- 持份者: 衛生署、香港醫學專科學院、香港家庭醫學學院、香港放射科學院、香港病理學專科學院、醫院管理局、香港醫學會、香港西醫工會、香港私家醫院聯會、消費者委員會、政府資訊科技總監辦公室、個人資料私隱專員公署、其他醫療從業人員及輔助醫療人員、醫療衛生信息和資訊科技專業人員

願景



時間表

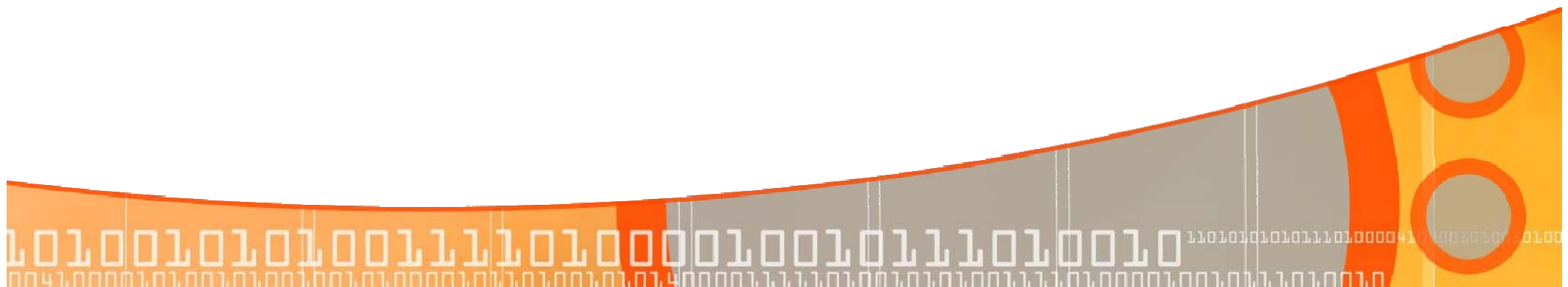
電子健康記錄互通系統已可連接所有公營或私營醫院；
電子醫療記錄 / 病歷系統及其他健康資料系統均已建立，
並可給予私家醫生、診所及其他健康服務提供者用以
連接電子健康記錄互通平台



總結

- 香港已發展出多元化的電子病歷紀錄，覆蓋九成以上的市民 (Hospital Authority has developed an ePR covering > 90% citizens)
- 以有限的資源，發展創新的科技，得到近十成使用者滿意 (Clinical users have nearly 100% acceptance of the system which is built with limited resource)
- 有賴於電子病歷的產生，香港市民可接受更安全、更高質量及效率的醫療服務 (Higher quality and safe medical care is provided to Hong Kong citizens with the development of ePR)

多謝



課後討論時間



請各位幫忙填寫「課堂意見
問卷」並交回接待處

離開前請記得帶走隨身物品
多謝合作

