

Central Hampshire Natural Community EHR

Case Study

National Strategic Aims

"....If you live in Birmingham and have an accident while your are, for example, in Bradford, it should be possible for your records to be instantly available to the Doctors treating you".

Rt Hon. Tony Blair, MP 2/7/98

24 Hour Access to Clinical Records

A key element of the strategy¹ is to ensure that relevant information contained in Electronic Health Records (EHR) is available to authorised clinicians 24 hours a day.

EHR (Clinical Headings) Prototype

Access to Health & Social Care Information

The degree of concern and frustration expressed about the need for mutual access to patient/client records by health and social care professionals suggests that this is an issue which needs to be tackled urgently.

Traditional Barriers to Seamless Services

Many agencies are involved in promoting health and caring for people. A seamless service is one where services which individuals need are co-ordinated and integrated across the health and social care systems

The screenshot displays a web browser window with the following content:

- Navigation:** File, Edit, View, Go, Favorites, Help
- Address Bar:** C:\csw\simplehtml\index.html
- Page Header:** NHS Number 440 849 5003, Patient System I.D. 12345678
- Left Sidebar (Yellow background):**
 - ALERTS
 - ALLERGIES
 - CONDITIONS
 - EVENTS
 - Conditions: Diabetes, Asthma
 - 08/04/1997 GP NIDDM
 - Links: Patient Identifier, History, Investigation Results, Problem, Treatment / Operation, Allergy, Alert, Support, Clinical Administration, Management Plans
- ALERTS Window:**

Document	Date	Description
I/P	05/08/1998	NIDDM
A&E	01/12/1998	NIDDM
GP	04/08/1997	NIDDM
- ALLERGIES Window:**

Document	Date	Description
I/P	05/08/1998	Cat Fur
I/P	05/08/1998	Penicillin
A&E	01/12/1998	Penicillin
GP	04/08/1997	Penicillin
- Treatment / Operation Table:**

Drug	Dose	Route	Schedule
Simvastatin 20mg	1	ON	
Glyceryl Trinitrate tab 500mcg	1	S/L	PRN chest pain
Aspinn Disperstible tab 75mg	1	PO	OM

¹ "Information for Health - An Information Strategy for the modern NHS 1998-2005" by The NHS Executive, 1998

CSW

EHR Prototype

Central Hampshire Natural Community asked CSW to help them take the initial steps towards achieving these strategic aims, by simulating the use of an Electronic Health Record (EHR) which incorporates Clinical Headings as a means of navigating the EHR:

GP

- Instantly identifying Alerts & Allergies
- Immediate access to structured information from the GP practice

Emergency Ambulance Service

- Paging information such as allergies or alerts to ambulance crews
- More appropriate responses

GP Locum & Out of Hours Services

- Access to the EHR via a telephone line or mobile phone
- Recent details of drugs, allergies, diagnoses and contact details relating to "significant health events"

Acute Hospital Care

Instantly identifying:

- Alerts & Allergies
- Patients that have received care mainly outside of the Doctor's hospital

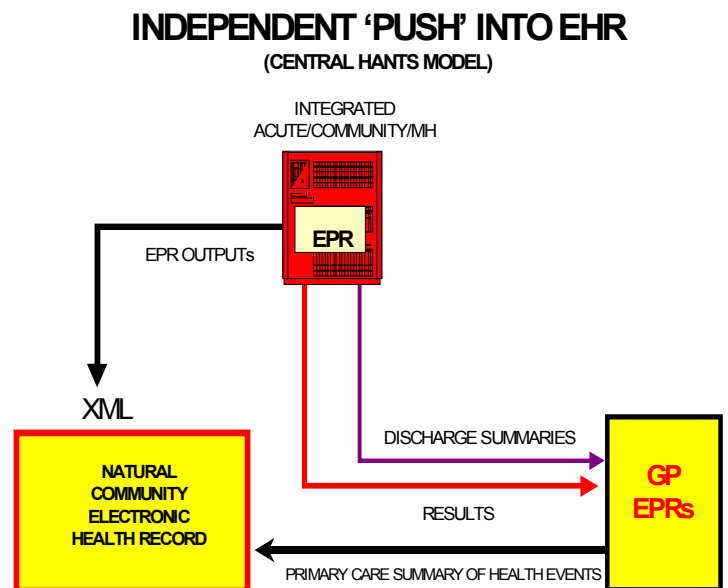
Accident & Emergency

- Instantly identifying Alerts & Allergies
- Patients that have received care outside of the "local" hospital
- Unconscious patients
- Providing more appropriate care by a clear and reliable understanding of the patient's history

Proof of Concept

The purpose of the simulation was to:

- Gain a better understanding of the use of an EHR by a broad cross section of health professionals
- Refine the information content of the EHR so that it meets perceived requirements
- Understand how the EHR might be used in relation to other systems and in relation to professional working practices
- Provide a "proof of concept" prototype



The model illustrated above that was adopted for the EHR is based on operational clinical communications, mapped under the "Clinical Headings" and sent by each healthcare organisation directly into the EHR.