Delivering IT for a modern, efficient NHS & National eCare Pathways Service

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NHS Connecting for Health
Every day in the NHS...

- 836,000 people consult their GP or practice nurse
- 389,000 people receive care in the community
- There are 50,000 visits to A&E
- 124,000 people attend outpatient clinics
- There are 114,000 emergency admissions
- There are 44,000 elective (planned) admissions
- There are 19,000 calls to NHS Direct
- There are 7,000 visits to walk-in centres

73,000 adults receive NHS dental treatment

Source: Chief Executive’s report to the NHS Dec 2005
Oops.
Vision for the future

• More choice and control for patients over their own health and care
• A health service “designed around the patient”
• Secure access to up-to-date, accurate information for diagnosis, treatment and care for all those involved in the care of a patient
• Easier access for patients to their own health and care information
• A more modern, efficient NHS
The future is electronic…
National eCare Pathways

Care Pathway Definition:
Care pathways are a methodology for the mutual decision making and organisation of care for a well-defined group of patients during a well defined period.

Defining characteristics of care pathways includes:
An explicit statement of the goals and key elements of care based on evidence, best practice, and patient expectations; The facilitation of the communication, coordination of roles, and sequencing the activities of the multidisciplinary care team, patients and their relatives; The documentation, monitoring, and evaluation of variances and outcomes; and The identification of the appropriate resources.

The aim of a care pathway is to enhance the quality of care by improving patient outcomes, promoting patient safety, increasing patient satisfaction, and optimising the use of resources.

-European Pathway Association, Slovenia Board Meeting, Dec 2005
National e care pathways

Definition:

An e care pathway is a machine based resource which can be used in the electronic record by the clinician to derive a situational specific plan for a given patient.

A situational specific plan is informed by:

a. Patient preferences
b. Clinician experience and preferences
c. Additional information from the patient record.
### Episode (Febrile Baby)

<table>
<thead>
<tr>
<th>Problem</th>
<th>Note</th>
<th>Drug</th>
<th>Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>GP: 06 Jun 2006 10:33 Viral Gastroenteritis</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GP: 06 Jun 2006 19:47 Throat Infection</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>SHO: 06 Jun 2006 19:47 Febrile Baby</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

### Medication

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Diacarylate (not specified)</td>
<td>Portable Oxygen</td>
</tr>
<tr>
<td>Rectal Gluepamol</td>
<td>IV Fluids</td>
</tr>
</tbody>
</table>

### Encounters

<table>
<thead>
<tr>
<th>Dr Trilram Belvedere-Jones (GP)</th>
<th>Ambulance</th>
<th>St Elsewhere: Accident &amp; Emergency</th>
<th>St Elsewhere: Paediatric Ward 3</th>
</tr>
</thead>
</table>

### Plan

Nurse: 07 Jun 2006 19:35
Initial Care Plan

### Readings

Cardiac Monitor

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### PATHWAY 1 Distal First Metatarsal Osteotomy based on Day Surgery

<table>
<thead>
<tr>
<th>Start</th>
<th>Pre Op Assessment</th>
<th>Surgery</th>
<th>Recovery</th>
<th>Follow up care</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item one</td>
<td>Item two, with longer name</td>
<td>Item three</td>
<td>Vital Stats</td>
<td>Item one</td>
</tr>
<tr>
<td>Consent</td>
<td></td>
<td></td>
<td>Analgesia with longer name</td>
<td>Item two</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Activities of daily living</td>
<td>Item three</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eats &amp; Drinks</td>
<td></td>
</tr>
</tbody>
</table>
The future is “not” already here

We need

1. Robust, meaningful, evidence based pathways
2. A common method to build e care pathways
3. A logical data patient record
4. A logical model for e-Pathways
5. Clinicians with access to an effective EPR system at the point of care
Patients & Health Care Professionals (HCPs)

Pathways
“Prompt” HCPs on care process and recording

LSP
Populates core system with pathways and content

NLH
Stores and publishes completed pathways

Pathways pulled from Library by LSPs

Standardised
Pathways provided to NLH

Sources of Knowledge

Specialist Libraries
Procured external sources
Rules and Tools
Better Prescribing
The constant patient
The busy clinician
DOAS Projects
SNOMED Implementation
Clinical professional development
NICE etc.
CSS
Map of Medicine
National clinical toolbox
Nursing Toolbox
Risk Minimisation
National library of guidelines

National eCare pathways service

Provide pathways and specialist content
Knowledge providers

External Validators (e.g. NICE)

NECPS

National Advisory Groups and Specialist Bodies

Clinical Ratification Board

Care Pathway Network

Develop Pathways and content

Validate knowledge

Specifying Pathways and content

Develop Pathway Modules and Components

Validate Pathways

Consolidate Pathways

Translate into standard form

Make available to LSPs

Validate completed pathways

Ratification

Final Ratification & sign off
Progress so far

- OBC agreed March 2006.
- Establishment of care pathway network approximately 260 members
- Working with Common User Interface R&D team to build a care pathways demonstrator due September 2006.
- Identified the top 10 assessments for the SI rules and tools project to support the development of care pathways.
- Collaborating with ISIP & LHC’s and the identification of pilot sites to test ecare pathways.
- Working with the DOH 18 week delivery team & NHS elect for the development and delivery of ecare pathways for elective care.
- Collaboration with the Institute in taking developed pathways and converting to e care pathways.
Next steps for National eCare Pathways Service

- Validation work programme of DOAS care pathways using an abridged version of the integrated care pathways appraisal tool (ICPAT).
- Secondment of care pathways facilitators to develop ecare pathways.
- Development of a standard model in which to represent ecare pathways for IT use.
- Development of the specifications for the OBS for the ecare pathway translation service.
- Identification, development, validation and delivery of 10 funded ecare pathways by March 07.
- Completion and NHS feedback on e care pathways demonstrator.
- 2nd National e care pathways workshop.
- Exploring standard language to document nursing care.
Any questions?

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