A GDE Partnership with MEDITECH: Transforming Cancer Care in Merseyside - Life as a Fast Follower

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Chief Medical Information Officer
What we do

Tertiary non-surgical cancer care for the 2.4m people of Cheshire and Merseyside, including:

- Systemic anti-cancer therapy e.g. chemotherapy, immunotherapy
- Day case treatment e.g. PICC lines
- Radiotherapy external beam, brachytherapy, Papillon
- Supportive cancer care e.g. palliative, benefits advice, social work, additional needs
- Clinical Research
- Stereotactic radiosurgery with The Walton Centre
- National Centre for Eye Proton Therapy
- Triage and assessment urgent cancer care
- Acute oncology
- Inpatient wards
- Outpatient clinics
Where we work

Clatterbridge Main Sites
1. New Cancer Hospital – Liverpool
2. Clatterbridge Cancer Centre – Wirral
3. Clatterbridge Cancer Centre – Aintree

Clatterbridge Chemotherapy Clinics
4. Southport Hospital
5. Aintree University Hospital
6. Royal Liverpool University Hospital
7. Liverpool Women’s Hospital
8. Broadgreen Hospital
9. St Helens Hospital
10. Halton Hospital
11. Countess of Chester Hospital
Where we work

Clatterbridge Cancer Centre – Wirral
Clatterbridge Cancer Centre – Aintree
St Helens Hospital
Whiston Hospital
Countess of Chester Hospital
Aintree University Hospital
Southport Hospital
Royal Liverpool University Hospital
Halton Hospital
Warrington Hospital
Liverpool Women’s Hospital
Broadgreen Hospital
Alder Hey Hospital
Liverpool Heart & Chest Hospital
Clatterbridge Hospital
Nobles Hospital, Isle of Man
The Walton Centre

Acute Oncology
Chemotherapy
Outpatient Clinics
Treatment at Home
Transforming Cancer Care

- CARE for the future
- WORKFORCE for the future
- CONNECTING for the future
- BUILDING for the future
Background

• May 2016 went live with MEDITECH v6.07 EPR with oncology module

• 2015-2017: Ongoing improvements to IT infrastructure and support
  • Citrix upgrade
  • Domain migration
  • In-house support
Background

• Recognition of capability within MEDITECH platform
  • Clinical decision support
  • Redesign of clinical workflows
  • Closed loop medications management
  • Advance digital maturity to HIMSS 7

• Developing regional interoperability strategy

• New cancer care model designed on principles of
  • Care closer to home
  • Mobile workforce
  • Need to share more with patients and other care providers
  • No paper!
September 2017 – GDE FF status
Why Alder Hey?

- Specialist Trust in Liverpool
- MEDITECH User
- Similar Geographic Footprint
- Synergies with interoperability requirements
- Similar Aspirations
- Same Clinical Portal Requirements
Getting it right

• Governance and Board Structure
• Collaboration
• Blueprinting
• Clinical Engagement
What do our patients want?

• We won’t know unless we ask them!
• Safe and effective care
• Clinical staff not distracted by technology
• Information shared when it is necessary
• Secure access to their own information
What do clinicians want?

• Sort out clinical workflows
• Improve user experience
• Make sure system is safe
• Access remotely
• Make all necessary data available
• Share with other care providers
• Facilitate audit and research
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Collaboration

Alder Hey GDE Programme
- Workstream 1: Electronic Patient Record (EPR) Development
  - HIMSS Level 7 Requirements
- Workstream 2: Specialty Package Deployment
  - Bespoke specialty system developments for 43 clinical teams
- Workstream 3: Interoperability and APIs
  - Interoperability between Meditech and EMIS
  - Interoperability between Meditech and InterSystems
  - Interoperability between Meditech and Cerner
- Workstream 4: Patient Entertainment and Therapy (PET) App
  - Paediatric Patient App
- Workstream 5: Paediatric Clinical Portal
  - Regional Clinical Portal
- Workstream 6: Patient Portal
  - Patient Portal

Clatterbridge Fast Follower Programme
- Workstream 1: Electronic Patient Record (EPR) Development
  - HIMSS Level 6 Requirements
- Workstream 2: Specialty Package Deployment
  - Bespoke specialty system developments for 16 clinical teams
- Workstream 3: Integration and Interoperability
  - Interoperability between Meditech and EMIS
  - Interoperability between Meditech and InterSystems
  - Interoperability between Meditech and Cerner
- Workstream 4: The Digital Patient
  - Oncology Patient App
  - Patient Portal
- Workstream 5: The Agile Clinician
  - Regional Clinical Portal
Specialty Packages

• ‘MEDITECH’ optimisation

• Highly focused and time limited projects designed to re-design processes within departments and clinical areas

• Clinically led

• Utilise model developed at Alder Hey
Clinical Engagement

• More than anything else clinicians need time to do this
• Pull in subject matter experts
• Need CNIO / CPIO?
• Consider a clinical fellow
• Exploit the inquisitive
Summary

• CCC is undergoing a bold and ambitious program to change all aspects of cancer care delivery in Mersey & Cheshire

• Utilisation of technology underpins these changes

• Installation of an EPR is only one tiny step on the journey to becoming a fully digitally mature hospital