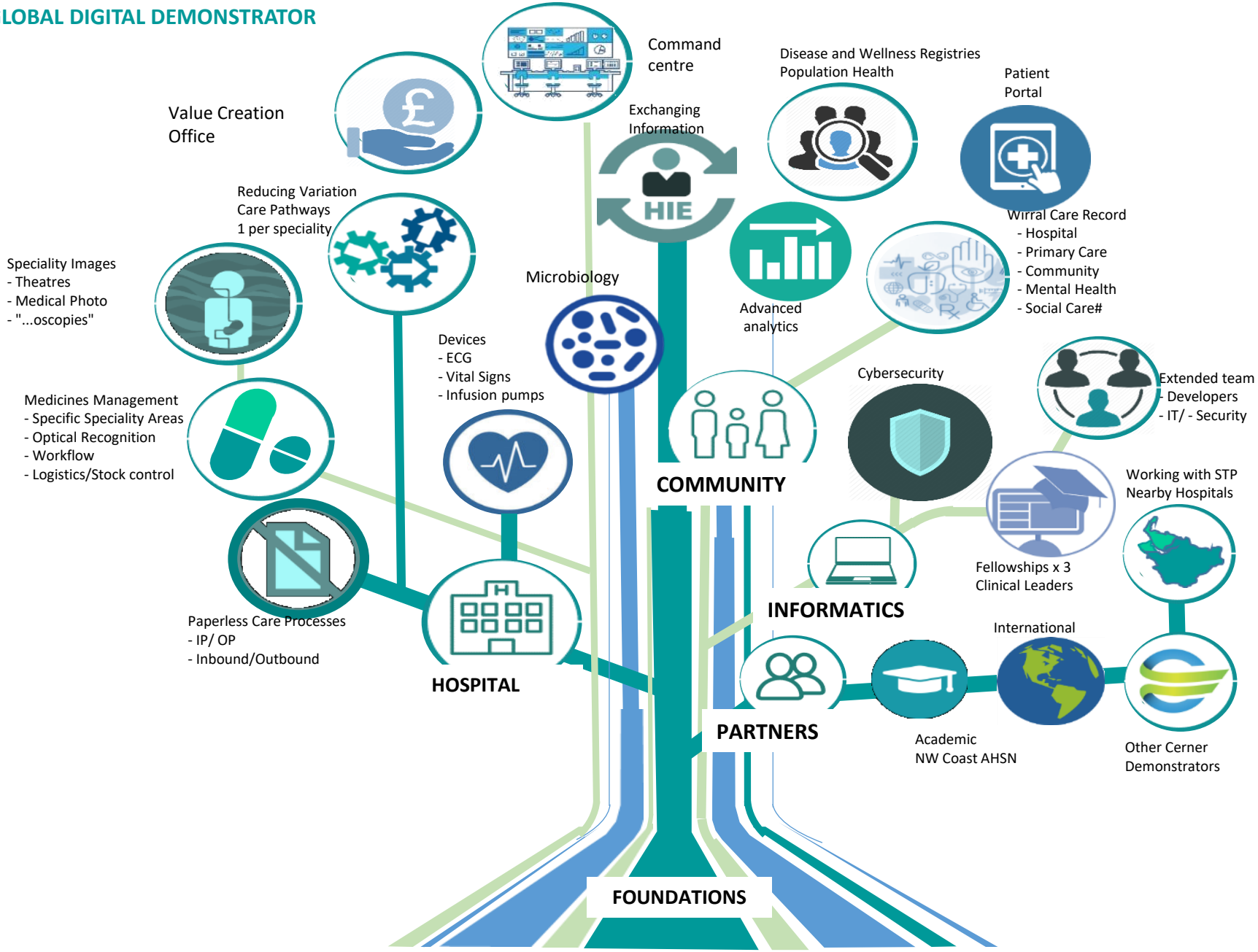
‘Hospitals that are Leading the Way to a Digital Future’

Paul Charnley
Director of IT and Information
DigiHealth Manchester

Wirral

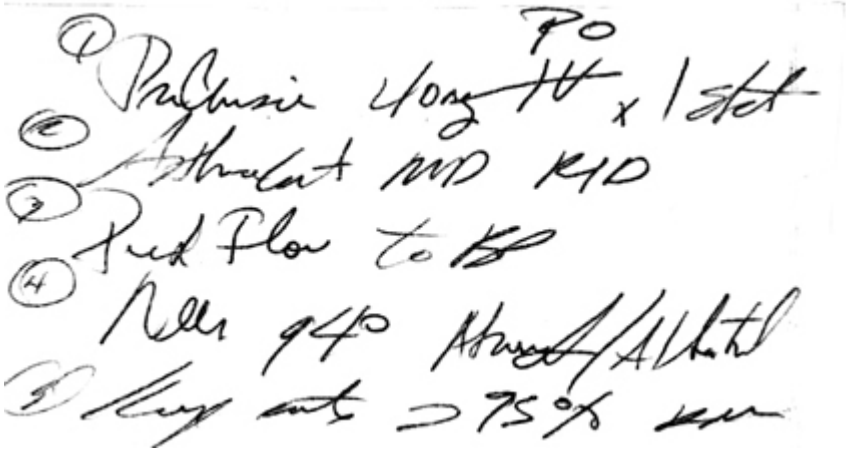
POPULATION HEALTH AND PORTALS

DIGITAL WIRRAL
A TWO YEAR PROGRAMME
A GLOBAL DIGITAL DEMONSTRATOR



HOSPITAL

PAPERLESS



Objective

Paperless Care Processes

- Doctors notes
- IP/ OP
- Inbound/Outbound

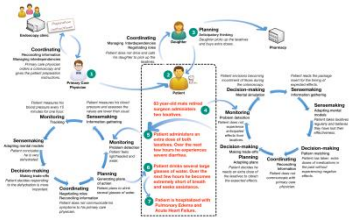
But it is more about workflow than just the making the paper electronic

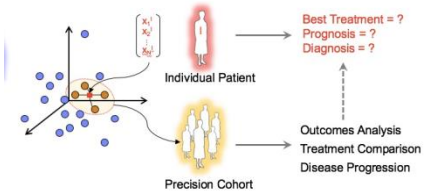
Benefits

- Cost savings clerical tasks
- Spend on paper/forms etc
- Improved structured data audit/mngmnt
- Reduced clinical risk
- Access to internal records
- Better referral & discharge data

HOSPITAL

MEDS MANAGEMENT





Objectives

Medicines Management

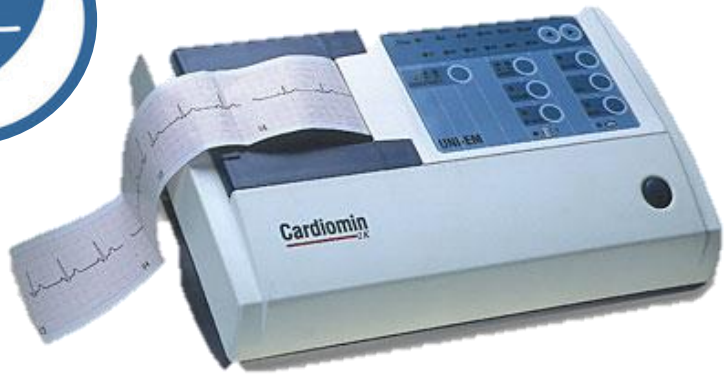
- Specific Speciality Areas
- Optical Recognition
- Analytics
- Workflow
- Logistics/Stock control

Benefits

- Reduction in risk - med's reconciliation
- Reduction in prescribing error rates
- Better VTE Assessments reduce anti-coag incidents
- Advancing quality compliance
- Reduce time & risk transfusions
- Reduced transcribing with stock control
- Increase in self-administration

HOSPITAL

DEVICE INTEGRATION



Objectives

Devices

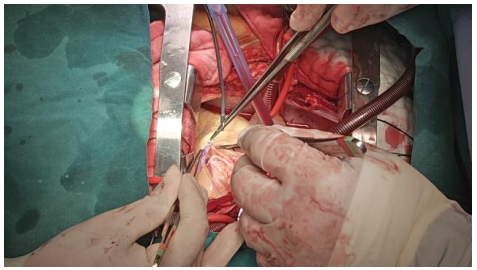
- ECG
- Vital Signs
- Infusion pumps

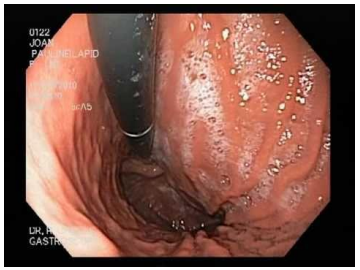
Benefits

- Safety through accuracy and availability of information
- Early Warning
- Time saved

HOSPITAL

SPECIALTY IMAGES





Objectives

Speciality Images part of WM

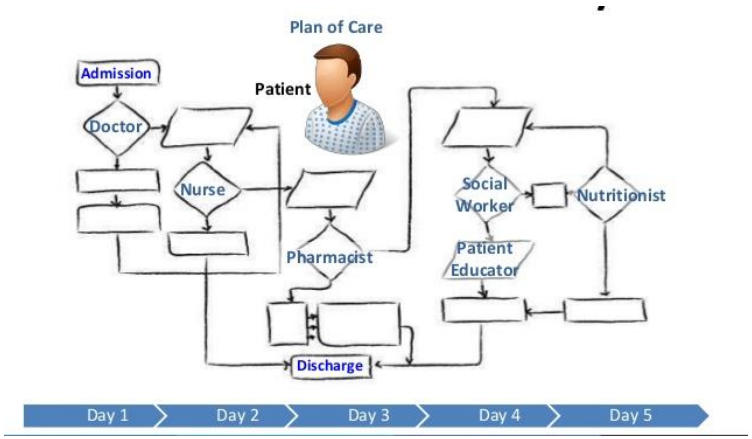
- Theatres
- Medical Photo
- "...oscopies"

Benefits

- Availability of images saving clinical time
- Improved clinical safety
- Opportunity to review clinical process

HOSPITAL

CLINICAL VARIATION / PATHWAYS



Objectives

Reducing Variation

- Care Pathways
- 1 per speciality
- Plan for extension

Benefits

- Improved patient care, quality, safety, cost reductions and improved experience
- Reduced clinical waste - better management of redundant unused expired supplies

HOSPITAL

MICROBIOLOGY

Objectives

Move from Telepath to Cerner

Benefits

Micro and sensitivities part of the record

Clinical decision support better care

HOSPITAL

VALUE CREATION OFFICE

Objectives

- O1 Opportunities analysis - potential for VCO - Apr 17
- O2 Scope for VCO projects - Jun 2017
- O3 VCO agreement - Jul 17
- O4 VCO Board established - Sep 17
- O5 First set of VCO projects complete - Sep 17
- O6 Evaluation of Outcomes complete - Dec 18

HOSPITAL/COMMUNITY

EXCHANGING INFORMATION

Objectives

- ED & IP summaries
- OP Summaries
- HIE to Community Trust
- HIE to Partnership Trust

Benefits

- Improved cross organisational working
- Reduced costs associated with manual Paper

Community

Objectives

Records contributed

- Hospital
- Primary Care
- Community
- Mental Health
- Social Care

Benefits

- Safety and efficiency provided by communication improvement around patient records

Leads to

- Population health management
- Disease registries

Community

DISEASE AND WELLNESS REGISTRIES

POPULATION HEALTH

Objectives

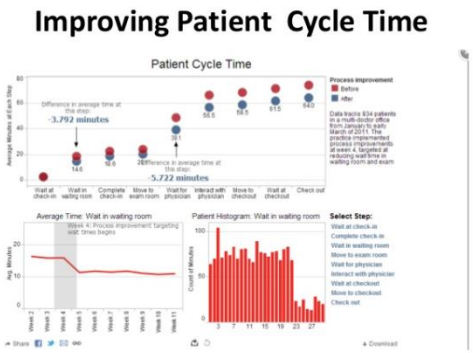
- First 5 Registries agreed
- data from WUTH & 52 GP practices
- Wirral community
- Partnership
- Next 6 Registries
- WB Council Dec 17
- IPS (non-EMIS) GP De

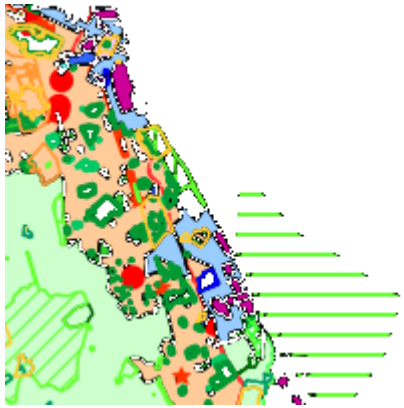
Benefits

- High risk patients -holistic focused care in All settings
- Outcomes based commissioning approach established
- Reduced risk of chronic becoming acute
- Move to 'what matters'

Community

ADVANCED ANALYTICS





Objectives

- Establish PHM analysis team 2.J2 HealthAnalytics KPI Reports and data models
- priorities list of HIEDW reports and data models 6 Registries
- Healtheanalytics reports etc next 6 Registries
- 1st PHM reports from HIEDW
- WUTH statutory reports from HIEDW

Benefits

- Population wide right care

Community

PATIENT PORTAL

Objectives

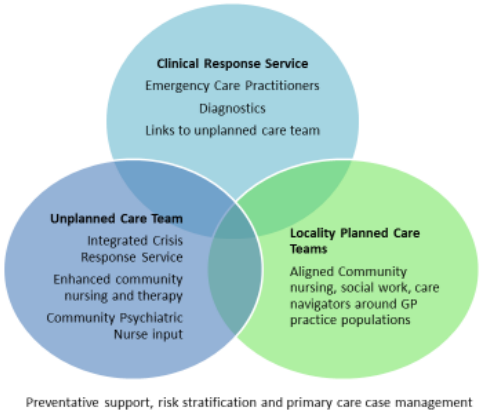
- Phase 2 of the portal to breast cancer patients
- Roll out to all WUTH patients
- Puffell embedded within the patient portal –
- WCR and patient level registries on portal - Patients able to update 2 key measures in their record
- plan for data to be made accessible for incorporation in 3rd party apps

Benefits

- Better patient Engagement in self management

Community

COMMAND CENTRE



Objectives

Co-location of the BI functions

Command Centre view

Benefits

Better management of the health economy vs individual orgs

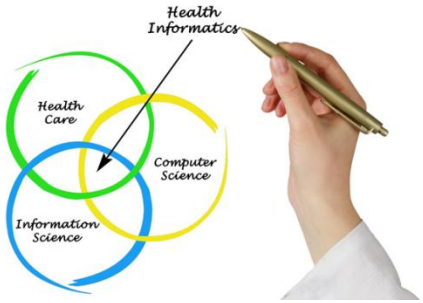
Partners

Other Cerner Demonstrators

IMP (and ChelWest), OUH, RFL, WSH, Newcastle

International

Academic



Objectives

Cerner Partners

- Combine work plan between sites
- Shared learning from Cerner
- Joint blueprint

Academic partners

- e.g AHSN

International Partners

Benefits

Better delivery for the programme

Wheel reinvention avoidance

More hands and ideas

Innovative ideas from other areas

Informatics

Informatics team

Objectives

- New developers

Benefits

- Capacity to develop systems/solutions/ services
- Responsive
- Continuous improvement

Cybersecurity

Objectives

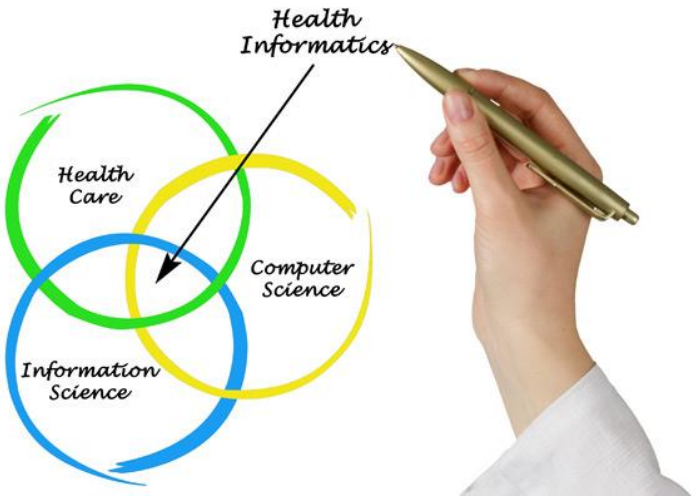
- 10 point plan for Cybersecurity
- Agreement on plan for implementation of single sign-on
- IT technicians in post
- Security officer in post

Benefits

- Safe and resilient systems
- Good business continuity arrangements
- Responsive support

Informatics

Development of Health Informatics



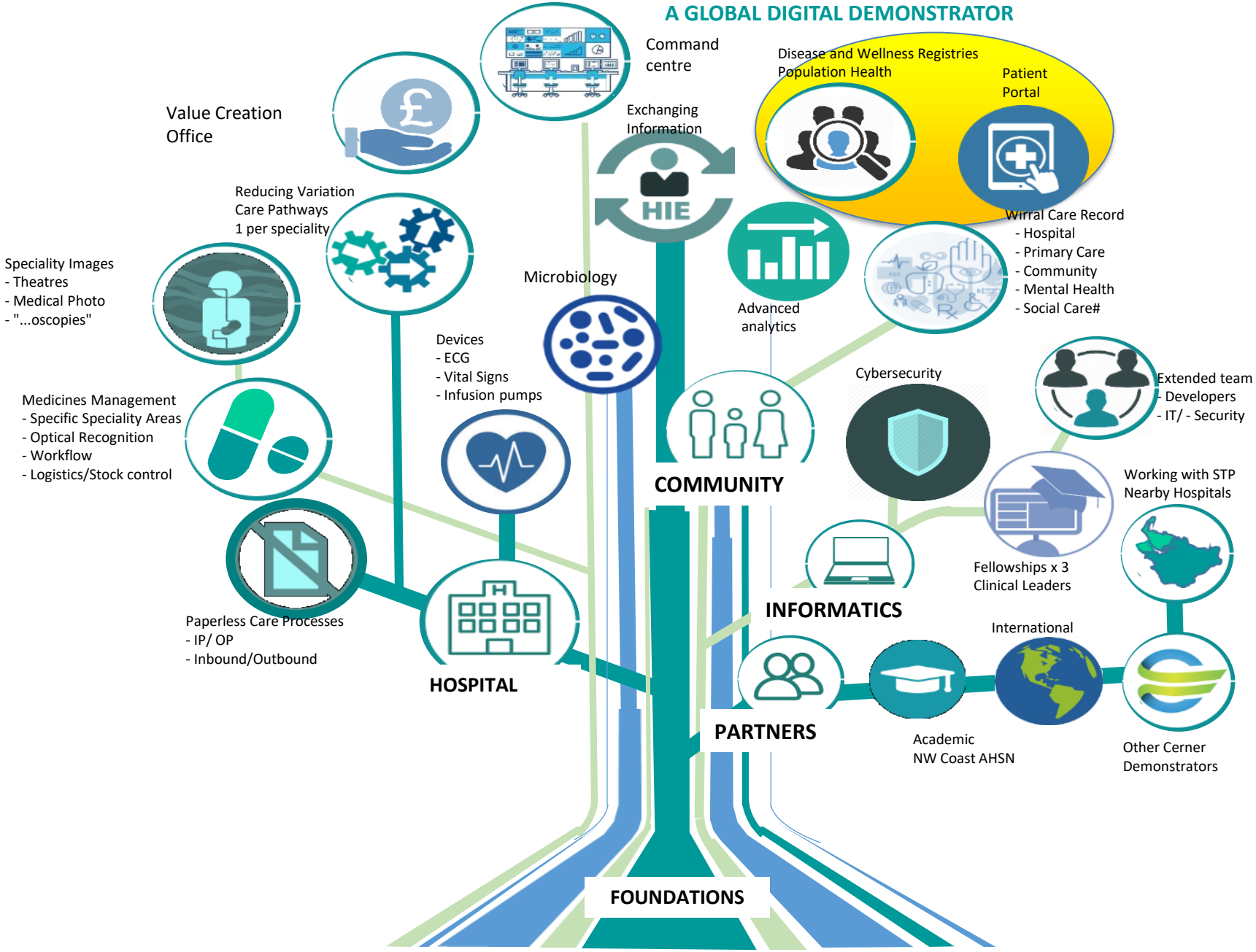
Objectives

Agree WUTH fellowship posts
AHSN/CLARC NWC
JDs for 3 fellowship posts
Fellows recruited
Fellowship programme evaluated

Benefits

A sustainable clinically focused resource to allow health informatics to develop further

DIGITAL WIRRAL
A TWO YEAR PROGRAMME
A GLOBAL DIGITAL DEMONSTRATOR



Diabetes

Registries

Organisations
Wirral University Teaching Hospital NHS Foundatio...

Person List 4628
Adult Diabetes

Sort by: Name

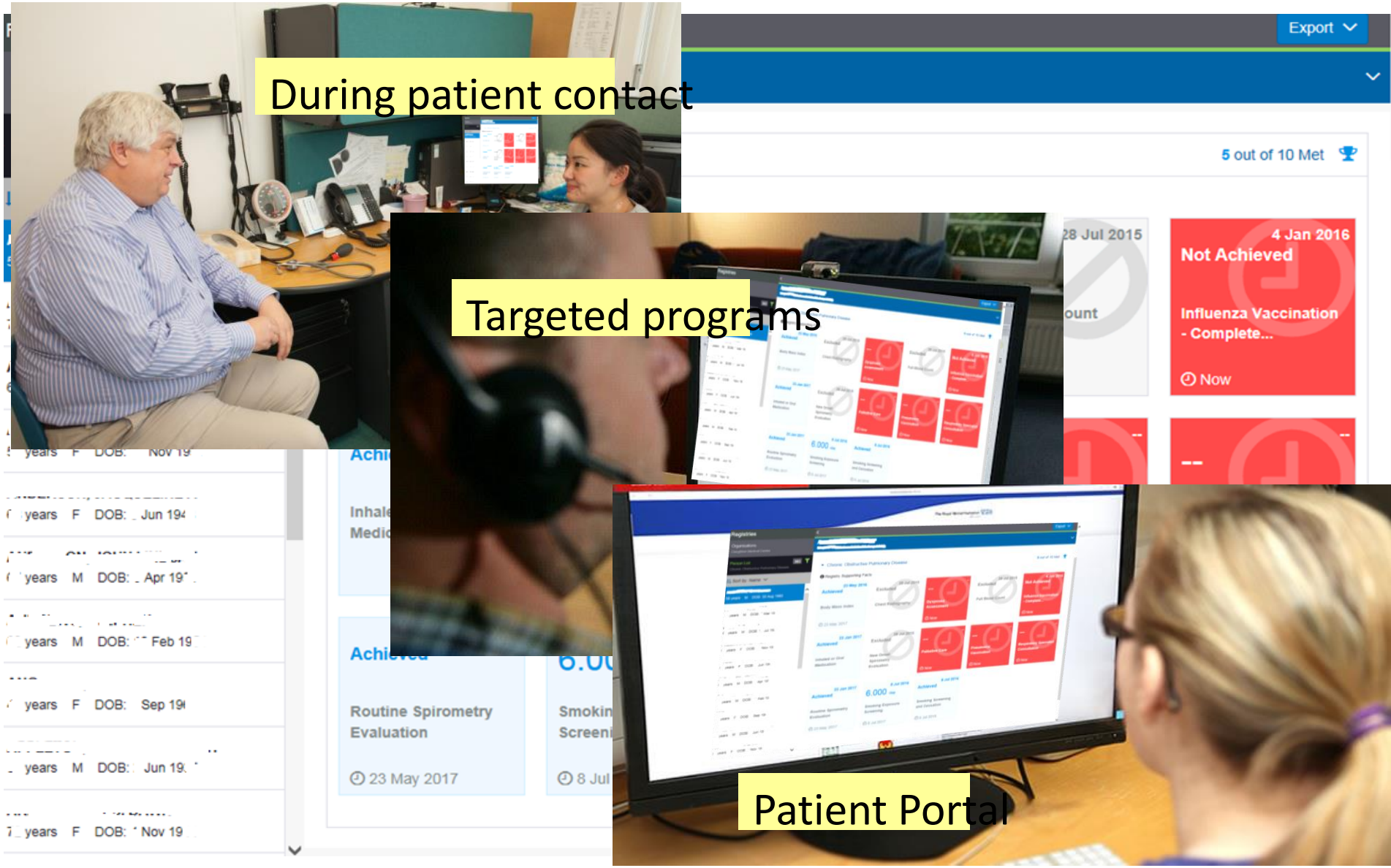
Export

Make Changes

All | Not Achieved | Missing | Due

Adult Diabetes — 10 out of 21 Met

Registry Supporting Facts

Not Achieved, 3 Nov 2016, 12 Week Lipid Profile, Now	-- , Annual Education, Now	Achieved, 20 Apr 2016, Aspirin Therapy	106/59 mmHg, 17 Nov 2016, Blood Pressure < 140/80, 17 Nov 2017	106/59 mmHg, 17 Nov 2016, Blood Pressure < 150/90, 17 Nov 2017
106/59 mmHg, 17 Nov 2016, Blood Pressure Measurement, 17 Nov 2017	26.400 kg/m2, 11 Apr 2017, BMI Assessment	Not Achieved, 27 Jan 2014, Creatinine Ratio Screening, 27 Jan 2015	-- , Diet and Exercise Education, Now	Not Achieved, 6 Aug 2013, Eye Exam, 6 Aug 2014
Not Achieved, 26 Nov 2012, Foot Exam	33 mmol/mol, 24 Aug 2016, HbA1c < 48 mmol/mol	33 mmol/mol, 24 Aug 2016, HbA1c < 58 mmol/mol	33 mmol/mol, 24 Aug 2016, HbA1c < 72 mmol/mol, Achieved	-- , Influenza Vaccination

Vision for New Models of Care