Digital Wirral
The Benefits of System-wide Population Analytics

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Healthy Wirral Partnership Goals

- Reduce premature mortality from long term conditions
- Improve the timeliness and quality of patient care, delivered in the right place by the right person
- Support patients to self-manage their long term condition
- Enhanced integrated working across the whole system
The Vision

Service Transformation

The Wirral Care Record

Analytics

Health Information Exchange

Enabled by Cerner HIE and HealthIntent
Organisations in scope

- Acute (WUTH)
- All 51 General Practices
- Community Trust
- Mental Health Trust
- Social Care
- Hospice Care
- Cancer Centre (TBC)

Phase 1

Phase 2
Health Information Exchange

LIVE

PER CONTACT

NO DATA STORED
Wirral Care Record
Patient Registries

Identifying Gaps in Care
Organisation Registries Status
Organisation Score Card
Longitudinal Record
Health Information Exchange

Usage: Primary care and Secondary care (first month)
HealtheAnalytics

Self Service Views of data from uploads

Use the secondary filters along the left hand side the further hone in your patient cohort.

- Select your age bracket
- Level of deprivation score
- LSOA area
- Org name
- Date range (to be added)
**Analytics - High Level**

<table>
<thead>
<tr>
<th>Measure</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population of Wirral</td>
<td>334,489</td>
</tr>
<tr>
<td>ED attendances in Wirral</td>
<td>94,605</td>
</tr>
<tr>
<td>Ratio</td>
<td>0.28</td>
</tr>
<tr>
<td>Patients on Asthma, COPD and Diabetes registers (36 /51 practices)</td>
<td>5,422</td>
</tr>
<tr>
<td>Number of ED attendances from this group</td>
<td>9369</td>
</tr>
<tr>
<td>Ratio</td>
<td>1.73</td>
</tr>
</tbody>
</table>

The three groups on registries so far are 6 times more likely to attend ED.
ED Encounters

 HealtheAnalytics visualisation example 36 practices over 1 year Nov16-Nov17

Note: This visualisation is a snapshot of current Registries measures status and the future use of the Registries might change data over time. Importantly, the Dashboard must still undergo further quality checks and review, which might result in possible alteration of the outcomes.
ED Encounters: Asthma, COPD, Diabetes

Graph showing the relationship between Encounters per Life and Unmet per Life for different conditions: Asthma (blue), COPD (orange), and Diabetes (red). The graph displays multiple data points plotted against the x-axis (Unmet per Life) and the y-axis (Encounters per Life).
Note: This visualisation is a snapshot of current Registries measures status and the future use of the Registries might change data over time. Importantly, the Dashboard must still undergo further quality checks and review, which might result in possible alteration of the outcomes.
In Summary

HEALTH INFORMATION EXCHANGE

- View live data of patient record
- Multiple data sources which users can filter
- Save time on contacting other services providers
- Ideal for direct care and making clinical decisions
- Embedded into current user HER system

WIRRAL CARE RECORD

- Registries – Currently long term conditions but will include social and mental health
- Identify gaps in care
- Identify cohorts of patients needing specific clinical interaction
- Support new models of care
- Information all in one place allows for a holistic view of a patient’s journey

Emergency Department

GP Appointment

Out of hours

Unscheduled Appointment

Specialist Service Departments

GP Practice Patient Clinic

Care Model Delivery

Review
THANK YOU!

Any questions?