COVID-19

BEAUTIFUL INFORMATION
THE COVID-19 CHALLENGE

The entire health system needs real-time information to monitor, track, plan and predict.

East Kent hospitals need urgent informatics solutions.
OUR RESPONSE

COVID-19
Regional Modelling to forecast EK admissions

Demand and Capacity Modelling by Bed Type and Staff Group

Modelling for bringing activity back on line

• Linear regression models at patient level to predict pathway and day of testing points.
• Alert on patient diverting from prediction

• New dashboards, reports, IPRs to monitor Covid
• Regional benchmarking

• Linking staff and patient data (IG in place)
• Tracking and traceability apps
• KMCR

MONITORING
TRACKING
PREDICTING
FORECASTING

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OUR SOLUTIONS

COVID-19
COVID-19 PERFORMANCE DASHBOARDS

We adapted to take real-time feeds from multiple sources, and deliver to all platforms from mobile devices to big screens.

Quick to implement, flexible, easy to use, accessible by anybody, anywhere, anytime
### COVID-19 PERFORMANCE DASHBOARDS

Key operational metrics to help all clinicians and managers make decisions.

<table>
<thead>
<tr>
<th></th>
<th>K&amp;C</th>
<th>QEQM</th>
<th>WHH</th>
<th>OXYGEN</th>
<th>EKH</th>
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<tbody>
<tr>
<td>Positive</td>
<td>21</td>
<td>53</td>
<td>52</td>
<td>126</td>
<td></td>
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<tr>
<td>Pending</td>
<td>12</td>
<td>50</td>
<td>56</td>
<td>123</td>
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<tr>
<td>Negative</td>
<td>19</td>
<td>34</td>
<td>92</td>
<td>145</td>
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<tr>
<td>+’ve ITU</td>
<td>0</td>
<td>7</td>
<td>11</td>
<td>18</td>
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</tr>
<tr>
<td>+’ve Oxygen</td>
<td>3</td>
<td>26</td>
<td>22</td>
<td>51</td>
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<tr>
<td>+’ve NI Vent.</td>
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<td>6</td>
<td>5</td>
<td>13</td>
<td></td>
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<tr>
<td>+’ve Mech V.</td>
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<td>4</td>
<td>1</td>
<td>5</td>
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</tbody>
</table>

*LAST UPDATED: 2 minutes ago*
COVID-19 PERFORMANCE DASHBOARDS

Operational overview across multiple sites with at-a-glance status
COVID-19 PERFORMANCE DASHBOARDS

Operational overview across multiple sites with at-a-glance status

<table>
<thead>
<tr>
<th>Ward</th>
<th>Oxygen</th>
<th>Mech.</th>
<th>NIV</th>
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<tbody>
<tr>
<td>K&amp;C</td>
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<td>0</td>
<td>1</td>
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<tr>
<td>QEQM</td>
<td>51</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>WHH</td>
<td>55</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>

EMERG. DEPT.
WITU - WHH INTENSIVE CARE UNIT
WREW - WHH ITU RECOVERY THEATRE
WOXF - WHH OXFORD WARD
WCJ - WHH CAMBRIDGE J WARD
WCK - WHH CAMBRIDGE K WARD

Last Updated: 3 minutes ago

apps.beautifulinformation.org/view/COVID_EKH
COVID-19 OPERATIONAL CONTROL

Management suite HQ screens
COVID-19
OPERATIONAL CONTROL CENTRE

Hospital ops HQ screens
COVID-19 PATIENT TRACKING

We adapted real-time, web-based patient tracking lists so COVID-19 patients are visible and tracked.
Confirmed COVID-19 patients are clearly recorded.
COVID-19 PATIENT TRACKING

Digital ward board patient tracking

Icons added for Covid-19 patients
COVID-19 ANALYTICS

Power BI examples of data analysis
COVID-19 ANALYTICS

Power BI examples of testing data analysis
The BEAUTIFUL INFORMATION approach

Take data from multiple clinical and admin systems

Create an intuitive dashboard with the most useful, actionable information

A single source of truth for all from staff nurse to Chief Executive

Available to community and primary through to secondary and regional
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or 07788 526789