

HEALTHCARE

Integration

Integrating to NPfIT
solutions

Benefits driven

Process improvement

High availability

Clinical safety

can you
integrate systems
and improve
efficiency?

why



**“we deliver real
benefits by
focusing on the
clinical context
as well as the
technical
requirements”**

“we have created an approach to integration that is focused on delivering real benefits”

Why this is important

The NHS is in constant change, and this change seems to be accelerating. The deployment of the National Programme for IT, coupled with Government initiatives including payment by results and practice based commissioning means that “business as usual” is not an option.

Failure to address integration properly can have both clinical and administrative implications. It can result in expensive duplication of effort, re-keying data, checking on different systems, retrieving and consolidating data for returns and training people on multiple systems. It is also error prone, with records being missed, duplicated, inconsistently changed or simply not retrieved and included in reports. In the worst case it may lead to errors or omissions in treatment, bringing safety issues, poor patient experiences and the threat of legal action.

Model for Success

WCI combines 18 years NHS experience with detailed knowledge of the technology and applications that support the National Programme. We have successfully delivered Trust integration projects that not only meet the technical challenges and standards, but make significant improvements on healthcare processes to reduce waste and improve patient care.

Our repeated success is based on the fact that we consider the clinical and operational context as well as the technical requirements using a systematic, comprehensive framework for assessing, guiding and monitoring progress. WCI developed this approach in association with NHS Trusts, drawing upon proven techniques and best practice to bring together a coherent 'model for success', but always addressing the individual situation and goals. We use a series of reusable techniques including estimating tools based on parametric models and template artifacts. This is for documentation, testing and training as well as systems architecture, design and demonstrable working solution code.

It emphasises practical solutions including appropriate process modelling, designs for high availability servers and code for logging, error handling and graceful error recovery, to deal with downstream systems of less criticality without compromising its own operation. A typical sequence will include:

- process analysis via Use Cases
- gap analysis between current and desired state
- requirements analysis including future evolution
- mapping to reference architecture including high-availability
- design including sophisticated error handling and recovery

“we combine 18 years NHS experience with detailed knowledge of the National Programme”

- construction utilising pre-existing components
- test, commissioning and Go Live support
- operational support at customisable levels

The result is a successful integration which supports the clinical environment in which it is designed to operate.

Benefits

Integrating and simplifying healthcare processes and technology in this way, reduces the requirements for operational resources, increases responsiveness and provides a firm foundation for future evolution. Trusts have realised these benefits through:

- simplifying processes to improve operational efficiency
- eliminating re- keying, re- training and duplication of effort
- reducing administrative workloads and errors
- maintaining a robust and efficient architecture
- allowing for future development

Proof of Solution

WCI will deliver a robust and maintainable solution to provide the trust with greater flexibility and a platform for process improvement.

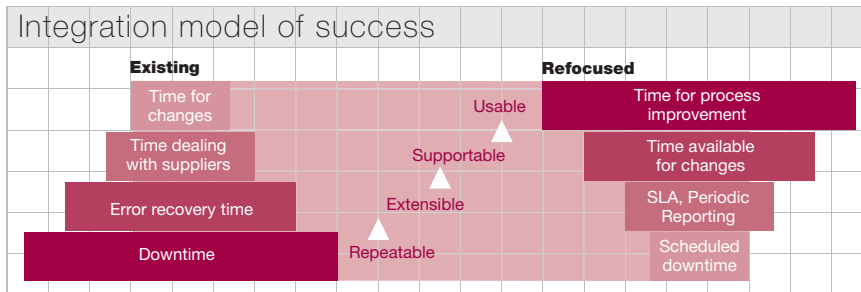
“WCI demonstrated to us a proven ability to deliver a very specialised service in a massive project without compromising on deadlines.”

Jeff Jacklin, Head of ICT at Milton Keynes General NHS Trust

WCI will deliver a platform for process improvement leading to better patient care.

“We selected WCI because of their expertise in health application integration, detailed knowledge of the National Programme, track record of successful implementations and value for money.”

Richard Moulds, CfH Programme Manager at South Manchester University Hospitals NHS Trust.



Simplify what you do
to reduce waste and improve patient care

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