

SIMUL8 Case Study
Consultancy Support

HEALTHCARE SOLUTIONS

Supporting Strategic Change

" The simulation was essential to our review of services project and absolutely key to demonstrating to stakeholders that the capacity is there to serve our community's emergency needs"

*David Rowland,
Project Director*

In 2005 Ayrshire and Arran NHS Board in Scotland carried out a strategic review of emergency & unscheduled care, and the processes that deliver these.

The outcomes from this review would represent a major reconfiguration of services across NHS Ayrshire and Arran and are only being considered because of the robustness of the associated planning process, supported by simulation modelling carried out by SIMUL8 Corporation.

The Ayrshire and Arran trust employs around 10,000 clinical & support staff. It serves 7.3% of the Scottish population, is mainly rural, including a large island community and two towns 20 miles apart.

Following the review process The NHS Board unanimously agreed that the process had been robust, and therefore endorsed the proposal to seek wider patient, public and staff views on the outcomes through consultation.

Specifically, the consultation would consider the possibility of creating five Community Casualty Facilities; focusing all emergency receiving services at one hospital as opposed to the current two, whilst developing protected elective capacity at the other facility.

Provide the evidence for change

As part of this exercise a number of simulations were built by SIMUL8 Corporation, in particular to model the delivery of unscheduled care.

Inputs to the simulation model were demand of Elective and Acute patients by Patients Types, and included capacity in terms of beds available & Length of Stay.

The simulation model clearly demonstrated that based on the assumptions made, in terms of patient flows to Community Casualty Facilities and the operation of an Assessment Unit, that the Crosshouse Hospital site would have the capacity to deliver all of Ayrshire & Arran's emergency care needs on one site.

David Rowland, Project Director - Review of Services Project explains:

“The outputs of this simulation modelling have proven to be invaluable in terms of adding to a comprehensive evidence base, presented to both the professional and public members involved in the planning process.”

Powered by SIMUL8 Technology

SIMUL8 Corporation's market leading simulation solutions are designed to be both powerful, whilst easy to use.

We have been designing and building simulation solutions since 1994, and have extensive experience within both Public and Private Healthcare in both the UK and USA.

SIMUL8 Corporation have carried out work for a number of NHS Trusts and organisations including Grampian, Suffolk & Cambridge, NHS24 and in the private sector with BUPA.

Find Out More

For more information on how SIMUL8 Contact Centre Solutions can help your organization test strategic change and achieve operation improvements please contact our SIMUL8 support team:

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