

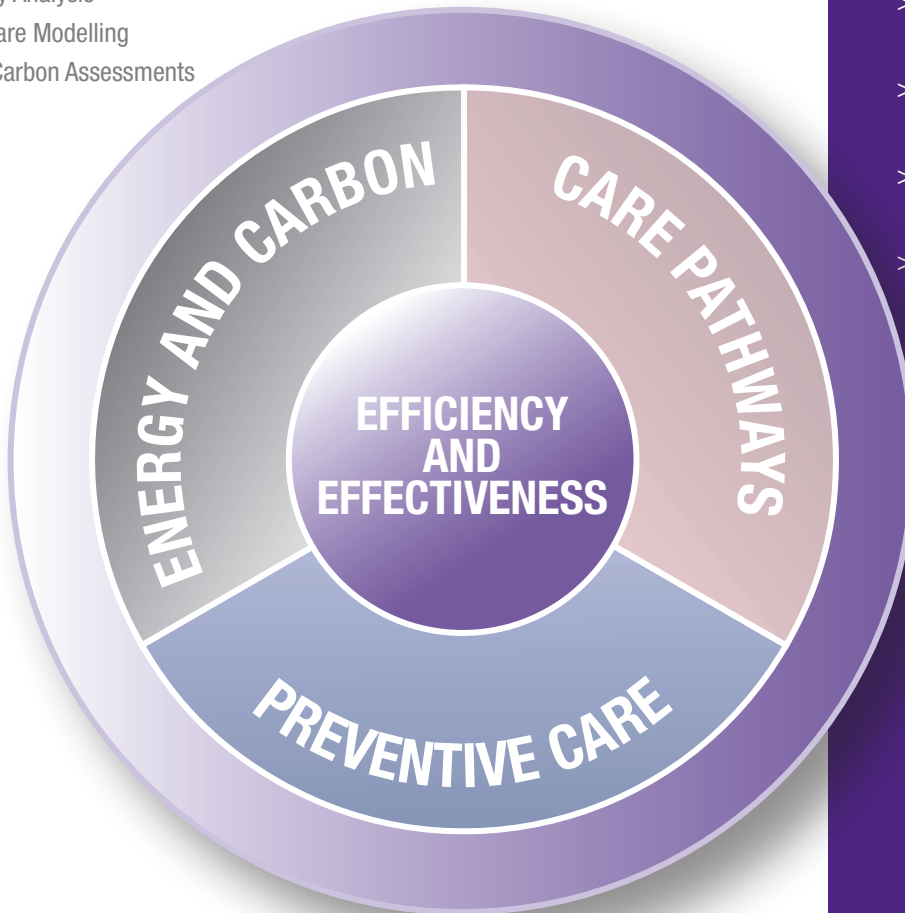
# THE MODEL OF PERFECT HEALTH

## DECISION SUPPORT THROUGH PREDICTIVE MODELLING & ANALYTICS

All parts of the NHS are facing the same challenge: To deliver outstanding healthcare while staying within defined budgetary boundaries. So, it's vital that the decisions you take are the right ones, and that you maximise the benefits you can get from the level of investment available to you.

**CORDA** have developed a range of powerful techniques that enable you to cut through the complexity of your business and see the impact your decisions will have in years to come. These include:

- > Care Pathway Analysis
- > Preventive Care Modelling
- > Energy and Carbon Assessments



Predictive modelling enables you to explore your options in detail, without the need for actual investment in any of them until their worth is shown. These invaluable insights enable your business to make tough decisions with confidence.

Further analysis can also enable you to seek out additional changes, which will combine saving money with making improvements to patient care.

# CORDA

*Delivering Successful Futures*

**Discover the impact of your decisions – before you make them!**

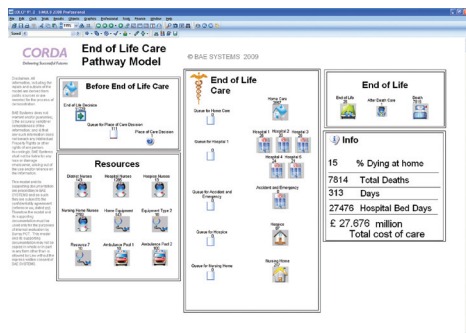
- > Will changing this care pathway have the impact I expect?
- > How much do I need to invest in this service to make a difference?
- > Will the benefits of this change be worth the upfront costs?
- > How do I reduce my energy bill without affecting patient care?
- > How much should I invest in preventive care?
- > When do I get payback on this investment?

# PREDICTIVE MODELLING SOLUTIONS

## CARE PATHWAY ANALYSIS

### The problem:

- > Care pathways provide a platform for targeted process improvement but they can be complex and difficult to manage as a whole.
- > To optimise your care pathways, you need to take an end-to-end view and evaluate overall costs and patient outcomes.



### The solution:

- > Together, we can build end to end models of any care pathway and use event simulation software to predict movement along the pathway.
- > Key financial metrics and measures of patient care can be tracked as the patients move through the pathway.

### Enabling Change:

- > All potential changes to the care pathway can be investigated to see what impact they would have, before funds are committed.
- > The model can subsequently be used to identify further changes that will bring financial savings and improve levels of patient care.

## PREVENTIVE CARE MODELLING

### The problem:

- > Investing in prevention services can prove beneficial to overall costs and to patient care. However, it isn't always easy for you or your stakeholders to quantify the benefits of prevention. Since these benefits are not immediate, it can also be difficult to justify the investment.

### The solution:

- > We can build dynamic models that track the impact of your prevention services over time and show you the impact which they will bring.



### Enabling Change:

- > You can compare different options for prevention services for the relative benefits they bring.
- > You can use the model to provide commissioners with appropriate standards for new services.
- > With the modelling results, you can direct investment to services that will provide the best returns on your investment.

## ENERGY AND CARBON ASSESSMENTS

### The problem:

- > The annual energy bill for the NHS is c.£800m and its carbon emissions are estimated at 18 million tonnes per year.
- > The CRC Energy Efficiency Scheme is now in place and there will be financial penalties for those organisations who fail to deliver significant reductions in carbon emissions.
- > Patient care remains of paramount importance. Energy cuts need to be applied with full understanding of their consequences to avoid endangering patients.

### The solution:

- > We are leading the way in reducing the cost of energy in the Defence sector.
- > We can offer a range of modelling and analytical services, starting with an assessment of your baseline energy usage and potentially extending to include Database Lining and/or Carbon Hotspotting.

### Enabling Change:

- > We can also include carbon emission measures in our Care Pathway Analysis to ensure proposed changes do not inadvertently increase your emissions.



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