KPMG On-Line Decision Engines (KODE) for healthcare

- Our hybrid cloud analytics platform harvests thousands of signals which can be used to model service consumption
- KODE enables you to:
  - Add your own metrics to our signals database
  - Process your data through our bespoke algorithms
  - Develop the dashboards you need to understand how to provide safe, high-quality, cost-effective care

How do you reconfigure out-of-hospital care

- Analyse demand by considering the nature of the population and how it will change, using a range of publically-available data alongside more specific data from care providers
- Model citizens into categories such as localities or patients with particular health issues, that need to be addressed at scale and give them notional budgets
- Analyse whether this is good for citizens by reviewing travel times and other access-related issues
- Review the clinical, operational and financial impact of proposed changes

KPMG Healthcare - Get in touch

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Data and analytics enables you to…

- Analyse the challenge
- Model interventions
- Measure outcomes
- Incentivise change
- Set performance indicators

Data and analytics

How often do you say to yourself, “If only I had known before I decided to act?” We make decisions based on the evidence available to us at the time. Sometimes we lack advice. Sometimes the advice is confusing and full of contradiction, sometimes we simply cannot get access to it – because it is locked in an IT system in a different building.

The role of data and analytics teams is to provide trusted and consumable content that helps managers answer their questions with confidence.

How KPMG is using data and analytics to help solve business challenges in healthcare

Using D&A to gain insight into health system issues
- The Cheshire and Merseyside health economy is undertaking the second largest health transformation programme in the UK and as a system has a forecast ‘do nothing’ deficit of £808 million by 2021.
- KPMG deployed a suite of data and analytic tools (benchmarking, geo-spatial mapping, workforce analysis) to help diagnose organisation and system problems.
- Senior clinicians worked with KPMG to ensure that the right data and information was interrogated, which meant there was a strong evidence base for the case for change.

Designing new ways of delivering out-of-hospital care
- KPMG is helping the London borough of Bexley develop new ways of delivering and funding out-of-hospital care for the area’s 237,000 residents.
- Data and analytics are at the heart of the work. We’re helping Bexley calculate projected health and care spend for different care settings and population groups and model new ways of paying providers.
- Using a data-led approach, we’re also supporting Bexley’s clinicians to design new care models to meet the future needs of their patients.

Designing an analytics platform to support the regulation of members’ performance and training
- The General Medical Council (GMC) is the healthcare regulator responsible for the effective and efficient regulation of doctors across the UK.
- KPMG worked with the GMC team to develop a D&A strategy that helps manage and monitor its members’ training and performance. The strategy included an implementation plan for the development of an analytics platform. By centralising disparate data sets it allows users to quickly identify potential opportunities to improve doctor training and performance.
- The platform was designed after extensive stakeholder consultation, which resulted in an agreed product specification, carefully targeted to address the regulator’s priority objectives.

Dr. Andy Davies
Cheshire and Merseyside Urgent and Emergency Care Redesign Programme

The data and analytics capabilities deployed by KPMG in the UK allowed us to assess the likely impact of current plans, develop various clinical scenarios, and compare these to an idealised future optimal health system for urgent and emergency care services. This redesign programme of work will touch 2.5 million lives.

The Cheshire and Merseyside Urgent and Emergency Care Redesign Programme