

Healthcare Optimised Data Analytics and Modelling

A KPMG Service for G-Cloud 15



Service Definition

Introduction to KPMG's Healthcare Optimised Data Analytics and Modelling service



Service Description:

KPMG's Healthcare Modelling and Analytics service combines a wealth of experience across health and social care, with proven solution architecture, modelling and advanced analytics (including AI) processes to develop architecture, integrate data and technologies, model and analyse data to draw insights critical to supporting operational planning, delivery and transformation.



What are the benefits of KPMG's Healthcare Optimised Data Analytics and Modelling service?

- Established demand, capacity and forecasting modelling tools spanning and integrating: activity, workforce and cost
- Provide detailed insight into the costs across a healthcare system and at a provider and commissioner level
- Provide insights into demand and capacity and the impact of changes to service delivery and costs
- Provide detailed understanding of the impact of changes in models of care and service delivery
- Support development of improved models for data collection, processing and management
- Improved engagement with data from wider stakeholder through user driven analytics solutions
- Scalable data solutions deployed on Cloud - NHS data security and IG Compliance
- Benefit from experienced Solution and Data architects increasingly attracted to cloud initiatives
- Leverage commercial technologies to increase operational performance with an established technology vendor alliance network
- Accredited experts in solutions development in software such as PowerBI, Tableau
- Solutions incorporate healthcare strategy, operations and analytics expertise
- Detailed understanding of the impact of new models of care



Our service features

- Optimised solution design (including AI) using end-to-end requirements to implementation
- Assess and benchmark existing digital architecture and analytics capability
- Data Strategy, Impact Assessment and Transformation Roadmap development
- Cloud Migration, Governance, Risk, Compliance, Controls Assessment and Design
- Support Health system strategic modelling and impact analysis
- Population Health Management and Care system redesign modelling with interactive dashboards
- Analytics (using AI) to provide insights into capacity and demand
- Information Management, Architecture Design & Machine Learning
- Tooling and vendor selection support and adoption partnering
- Optimised enterprise MI capability including MI centre of excellence
- Leveraging industry leading software: PowerBI, Tableau, etc
- Migrating on-premise data warehouse provision to cloud solutions
- Analytics capability development/training tailored to required user capability
- Operational scenario modelling and impact analysis
- Financial forecasting and cost modelling for systems, provider and commissioners
- Data collection, processing and management optimisation

KPMG Approach



Our approach to providing the Healthcare Optimised Data Analytics and Modelling service comprises collaborative stakeholder engagement, Agile development and a tailored solution delivered by healthcare and technical experts.

Our Approach

Requirements Capture

We engage stakeholders to understand their needs and design the solution.

Agile Development

Our Agile methodology of development delivers rapid deployment of an evolving product .

Deploy and review

We support the deployment of the solution and obtain feedback to ensure user requirements have been met.

Our Team

Healthcare Data Experts

Our team of experienced analysts understand healthcare data and its application.

Solution Developers

We have a pool of Data Architects, BI Developers, Cloud DevOps and Data Scientists to deploy onto solutions.

Alliance Partners

We are able to leverage the expertise of partners such as Microsoft to guide design and development of solutions.

Our Solutions

Data Modelling

We can build your data model, and modelling solution combining and enhancing data from multiple sources.

Cloud Infrastructure

We have the ability to architect and deploy Microsoft Azure solutions at pace and tailor them to requirements.

BI Reporting

We can tailor the reporting solution in Power BI, or using the various BI platforms available on the market.

KPMG can assess, design and implement your modern data platform and deliver you innovate and optimised healthcare MI solutions using resilient and modern technology solutions, for effective healthcare performance management, analysis and Continuous Quality Improvement (CQI). We are able to leverage the expertise of partners such as Microsoft to guide design and implement the latest technologies such as predictive analytics using Machine Learning/AI and Optical Character Recognition using AI.

Why KPMG

We have a long track record of successful delivery for Healthcare Optimised Data Analytics and Modelling services, combined with a collaborative approach, a pool of subject matter experts and a reputation for providing innovative solutions.

Award winning



We're an award-winning public- sector analytics team, with established long-term client relationships and recognition from the HSJ and Microsoft. Our clients keep coming back to us to because we do what we say we'll do working in partnership with them to meet and exceed their expectations.

Track record



We have a long 12 years+ track record of successful delivery.

Delivering tactical and strategic solutions that have stood the test of time. Our solutions are still in use today at NHS England, NHS Improvement MET Police, NHS Trusts, ICS's and more.

Collaborative



We work collaboratively with client teams as our recent award for the HSJ Best Healthcare Analytics Partnership 2022 and Healthcare People Management Association award 2023 demonstrates. We respect their knowledge and seek to leverage to provide optimal solutions. We are committed to leaving a legacy and supporting effective handover from day one to completion.

Sector Expertise



We work closely with industry experts to ensure our technical solutions are fit for purpose. Using experts who understand sector and organisation specific context and datasets, reporting hierarchies and common practice. They help to guide design, robust solutions and ensure we create the right user experience.

Innovative



We have a reputation for producing innovative solutions with recognition from Microsoft for our KODE analytics platform and our recent HSJ Award for Best Analytics projects as examples. This reputation for innovation spreads across sectors with our Bus Open Data Portal for the DFT, our AI Advisor for a Major Oil company and our Strategic Workforce Planner solution in healthcare.



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