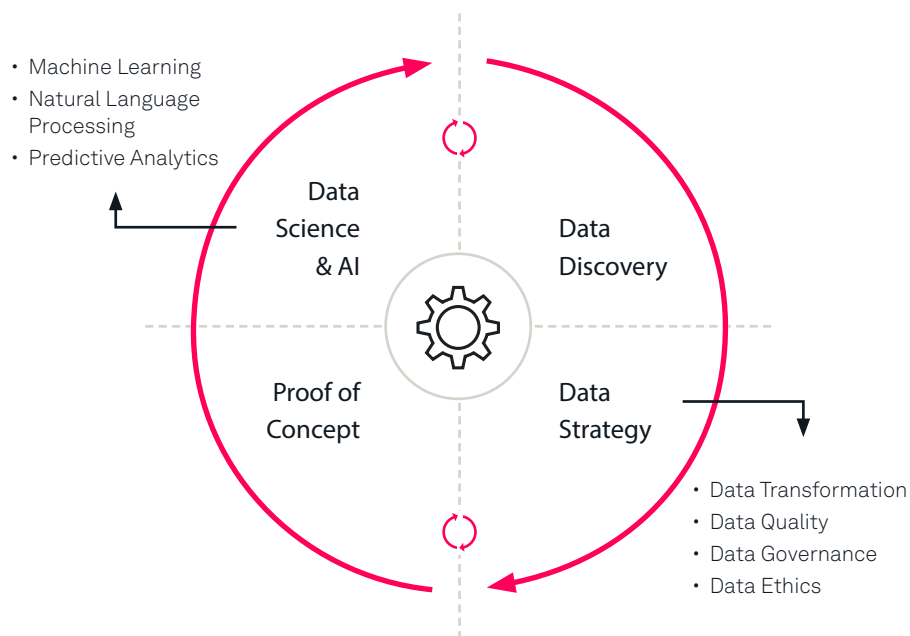# Methods Analytics_

AN ALTEN COMPANY

Experts in providing clinically-led data services

We help you build your data foundations for a healthier future and better patient outcomes.

OUR SERVICES

We help health & care organisations across the entire data lifecycle, with deep expertise in data strategy and clinical data science. We've been working with healthcare data for over 10 years, delivering insight-led improvement with national, regional, and local teams.

- Machine Learning
- Natural Language Processing
- Predictive Analytics

Data Science & AI

Data Discovery

Proof of Concept

Data Strategy

- Data Transformation
- Data Quality
- Data Governance
- Data Ethics

We're here to help, no matter where you are in your data journey.

DATA STRATEGY

How the right Data Strategy helps deliver progress for patients.

01

Releasing time to care:
Improving the productivity of data enables clinicians to focus more time on patient care, increasing its availability empowers them to make more informed decisions.

02

Boost patient confidence:
Increasing transparency of data usage improves public trust and patient confidence.

03

Supports innovation and research:
Enables health and care planners, researchers and innovators with the data needed to design the services of the future.

PROVEN EXPERTISE

With the establishment of Integrated Care Systems (ICS), collaboration has become even more strongly entrenched as a cornerstone of the NHS. An ICS should not be considered as an NHS body, but as a partnership between various bodies contributing to health and care. As such, the data assets that need to be united to enable the growing ambitions for each ICS can be vast. At the same time, there has been an explosion of available data prompted by COVID-19. Within weeks of the epidemic taking hold, more than three-quarters of GP surgeries were conducting some patient consultations via video, and nearly half of all consultations in May 2020 were conducted over the telephone. Supported by a national platform, remote hospital outpatient appointments surged too.

To make sense of this data, a clear data strategy allied to the organisational ambitions needs to be created.

Take you data strategy to the next level

Of course, strategy doesn't help without action, we have experience in creating strong foundations for organisations to build on, whether that is data ingestion, processing, data warehousing or a complete pipeline to transform data into the foundations for business reporting, outcomes monitoring, targeted action or any other goal.

Case Study

Lincolnshire
COUNTY COUNCIL

Working with Lincolnshire ICS, Our agile approach began with Discovery to explore the ICS' strategic ambitions, map the underlying data sources, and identify meaningful use cases where linking data would provide opportunities and major benefits to all organisations involved.

Virtual Wards for Frailty was identified as one key use case, providing a safe alternative to hospitals for patients living with a range of health conditions, potentially avoiding unnecessary long admissions to secondary care. The ability to treat patients in a virtual ward also offers an opportunity to create capacity and support the '100-Day Challenge' announced by Sir David Sloman, Chief Operating Officer, NHS England. Through interviews with system users, clinical SMEs and technical experts within the ICS, we created ArchiMate models showing as-is and to-be architecture across the virtual ward pathway. We identified needs statements, benefits and opportunities for each part of the pathway, along with suggested metrics to measure benefits.

DATA SCIENCE AND AI

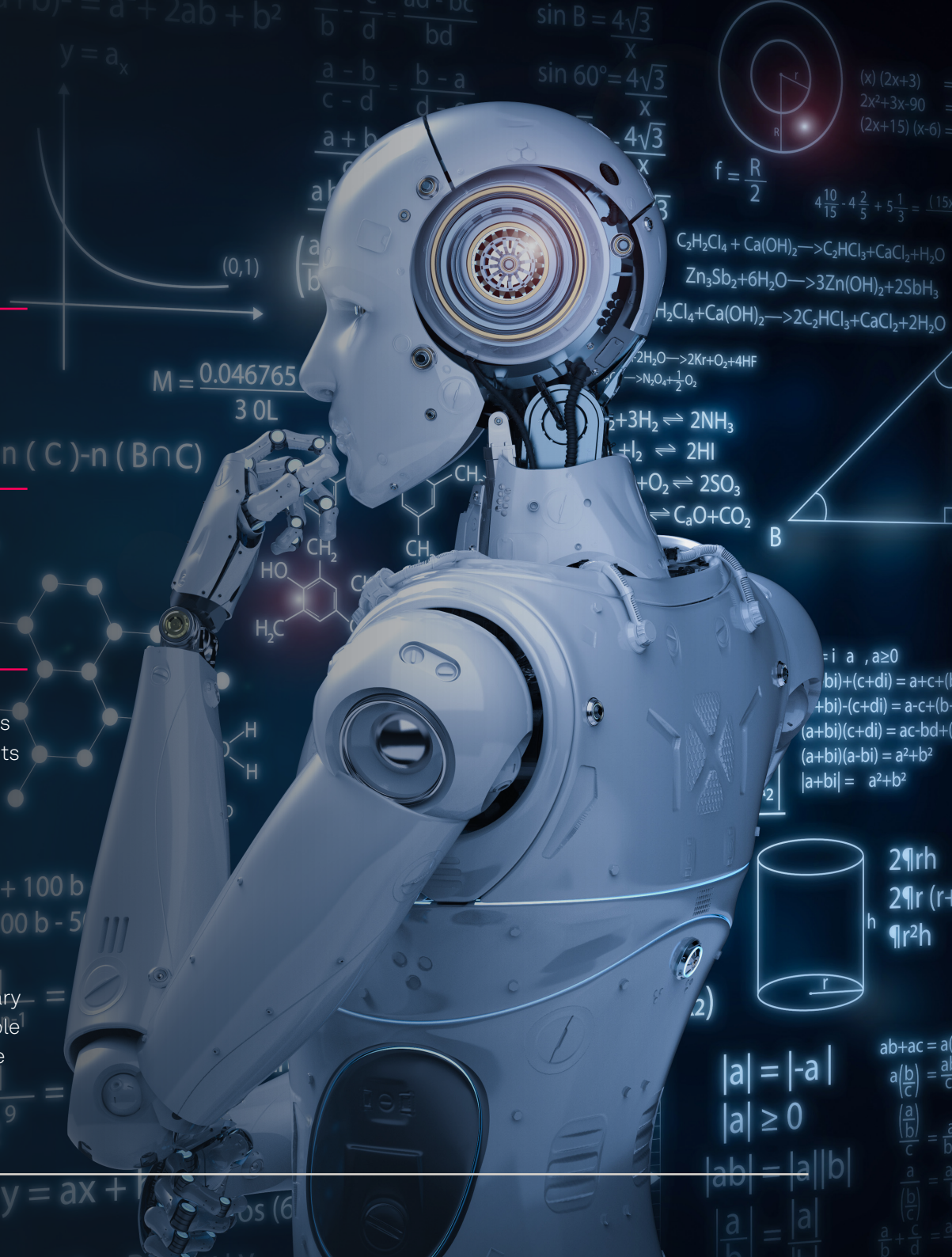How Data Science & AI are being used to protect the Nation's health

01 Population health:
Data Science and AI enable analysis of vast amounts of health data to identify trends and aid the creation of prevention and treatment protocols for large groups of people.

02 Epidemiology:
AI can help improve disease prediction and patient care, and anticipate, identify and address pandemics and biological weapons.

03 Protects the workforce:
Giving health and care staff access to the data they need that is accurate, reliable and joined-up protects them and their patients and improves the efficiency of clinical management.

PROVEN EXPERTISE

Health & Social Care is under increasing pressure as lifestyle, chronic diseases and the acute pressures of COVID-19 continue to impact primary and secondary care. In order to deal with the continued pressures, people need to be helped to avoid being patients through interventions and the coordination of care before they reach a GP or a hospital.

Healthcare - Experts in providing multidisciplinary, data services

At Methods Analytics we specialise in making powerful data science accessible to your organisation, approachable to your teams and applicable to your challenges.

The right support

We are eager to bring other statistical and data science approaches to new challenges, helping Integrated Care Systems utilise the Core 20 Plus 5, embedding robust processes for population segmentation and outcomes definition and monitoring, or development and augmentation of robust patient clustering methodologies. All these approaches support implementation and monitoring of bespoke outcomes for distinct patient groups.

Healthcare - Experts in providing multidisciplinary, data services
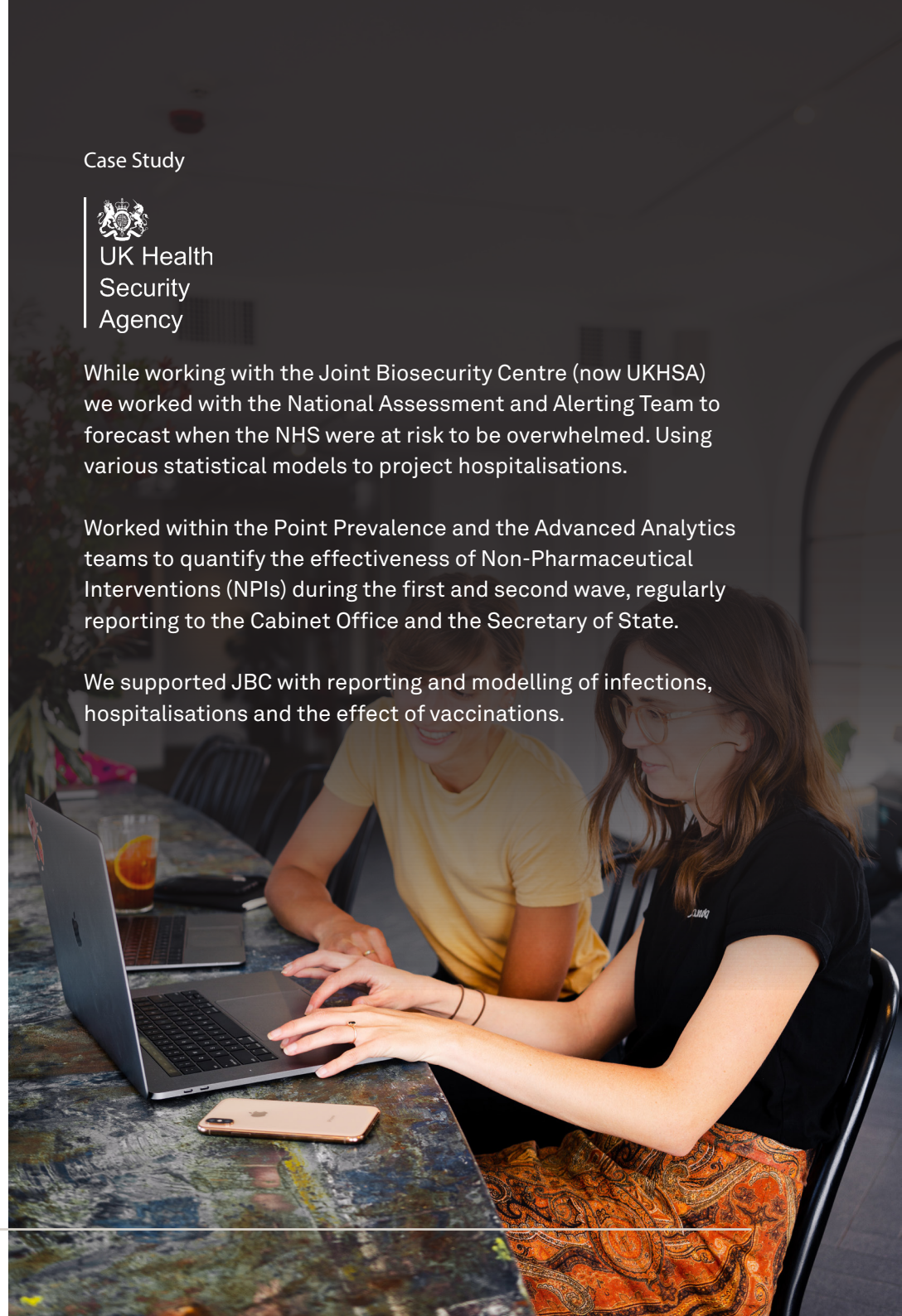
Case Study

UK Health Security Agency

While working with the Joint Biosecurity Centre (now UKHSA) we worked with the National Assessment and Alerting Team to forecast when the NHS were at risk to be overwhelmed. Using various statistical models to project hospitalisations.

Worked within the Point Prevalence and the Advanced Analytics teams to quantify the effectiveness of Non-Pharmaceutical Interventions (NPIs) during the first and second wave, regularly reporting to the Cabinet Office and the Secretary of State.

We supported JBC with reporting and modelling of infections, hospitalisations and the effect of vaccinations.

Methods Analytics

AN ALTEN COMPANY

GET IN TOUCH

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Healthcare - Experts in providing multidisciplinary, data services