



# Enabling Successful Digital Transformation At Scale

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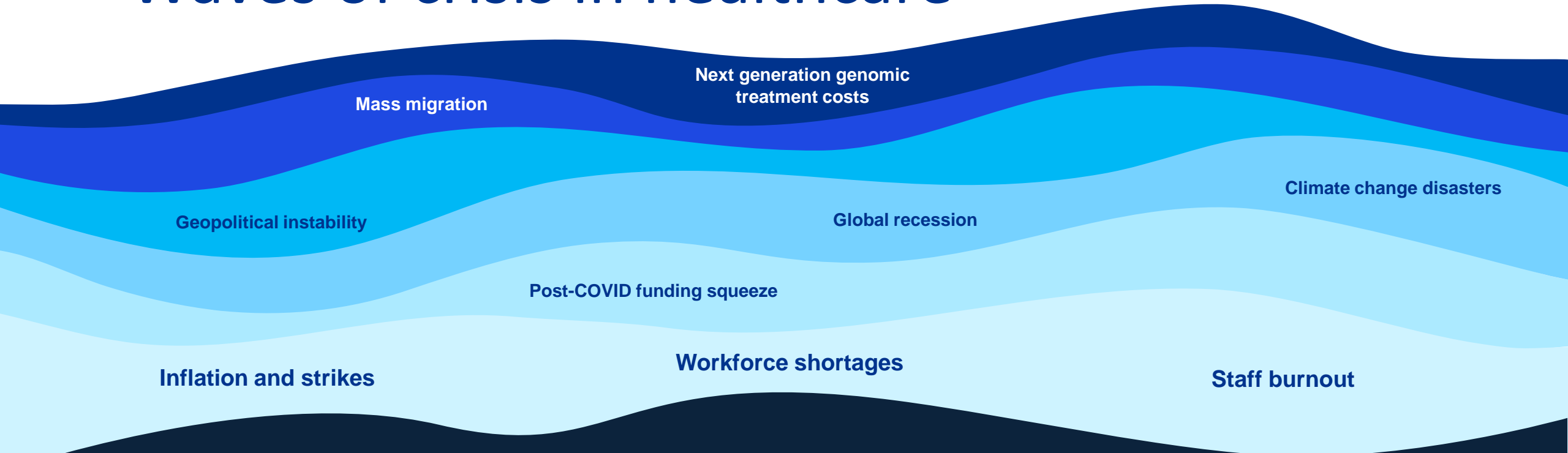


# Healthcare's perfect storm

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# Waves of crisis in healthcare



## Pre-pandemic undercurrents:



**Aging and growing populations.** The number of over 85's in the UK will double in the next 25 years.



**Increased NCD burden.** NCDs were the cause of 33.6% more emergency admissions in 2018 than 1998.



**Workforce supply and productivity.** Current shortfall of 154,000 is projected to increase to 571,000 by 2036/37.



**Outdated technology.** NHS clinicians lose over 4 hours per week due to inefficient IT systems (BMA).



**Economic Inequality.** A poor English girl, born in 2020, can expect to live 7.7 years less than a rich girl, and a boy 9.5 years less.



**Growing mental health burden.** 23% of patients wait over 12 weeks to start treatment; 78% seek help from emergency services.

# Key Headlines

## **The Healthcare Sector has a significantly low level of digital maturity**

While on 19% of UK public sector decision makers consider their digital transformation completely successful, this is still 2% higher than the wider public sector average of 17%

## **The Healthcare Sector is facing sever obstacles to success**

Decision makers in the sector admit lack technology specific skills or knowledge (36%), technology strategy (57%), and training (57%) as main challenges

## **Organisations have experienced some impact from digital transformation success**

Decision makers have seen a positive effect on customer journey mapping (50%) and improving agility in process (68%) from implementing digital practices

Base: 31 decision makers in the UK healthcare sector involved in digital transformation decisions.  
Source: A commissioned study conducted by Forrester Consulting on behalf of KPMG, October 2023

# Signal of change

Leading hospital in Israel



Need to improve patient experiences and reduce administrative burden on staff



**Digital oncology nurse service**

-  **50%↑** Patient satisfaction
-  **78%↑** Staff satisfaction
-  **27%↓** Staff workloads

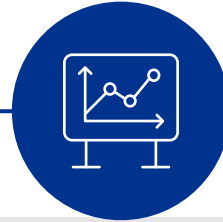
# Signal of change



Digital portal offers access to appointment booking, lab results, imaging, and prescription ordering



Most care takes place in primary care and community settings – only 10% of adult outpatient appointments are in secondary settings



Shifting activity into the community



Family clinics provide primary, community, mental health and specialist services



AI is used to empower patients. The i-Deal health app encourages patients to confront their risks using EMR data.

# Signal of change



**Primary Care Centre in Stockholm  
faced a number of challenges**



**Waiting lists for GP  
appointments hit 4-6 weeks**



**Using data  
and analytics  
to solve  
challenges**



**Digital platform implemented,  
triaging patients via nurses**



**3-4 nurses treated  
100+ patients per  
day**



**33% more  
patients treated per  
clinical hour**

# Signal of change

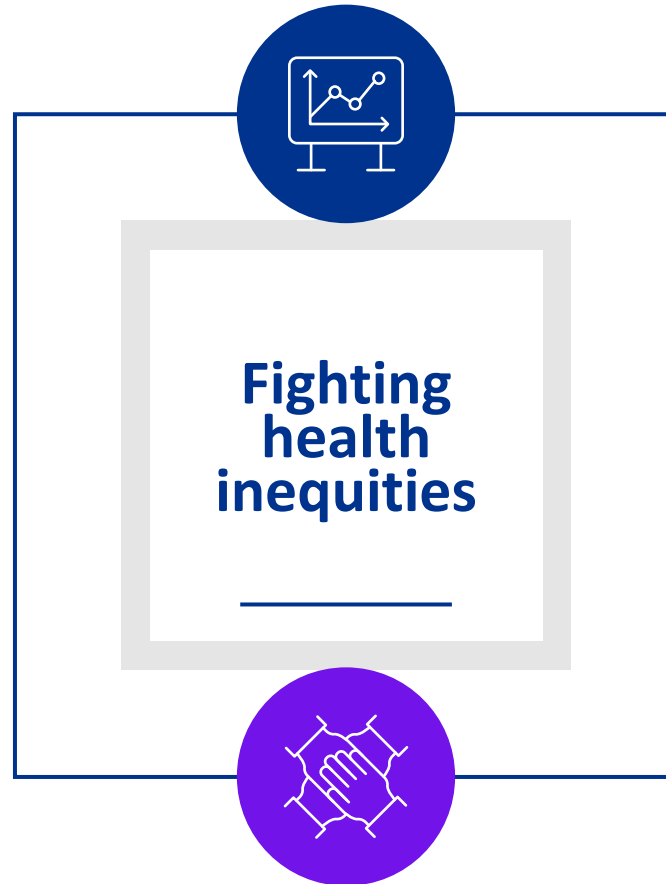


**Disproportionate COVID-19 impact on underserved communities in the United States**

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**Morehouse School of Medicine and the National COVID-19 Resiliency Network**



**Harvesting insights from publicly available data sources**

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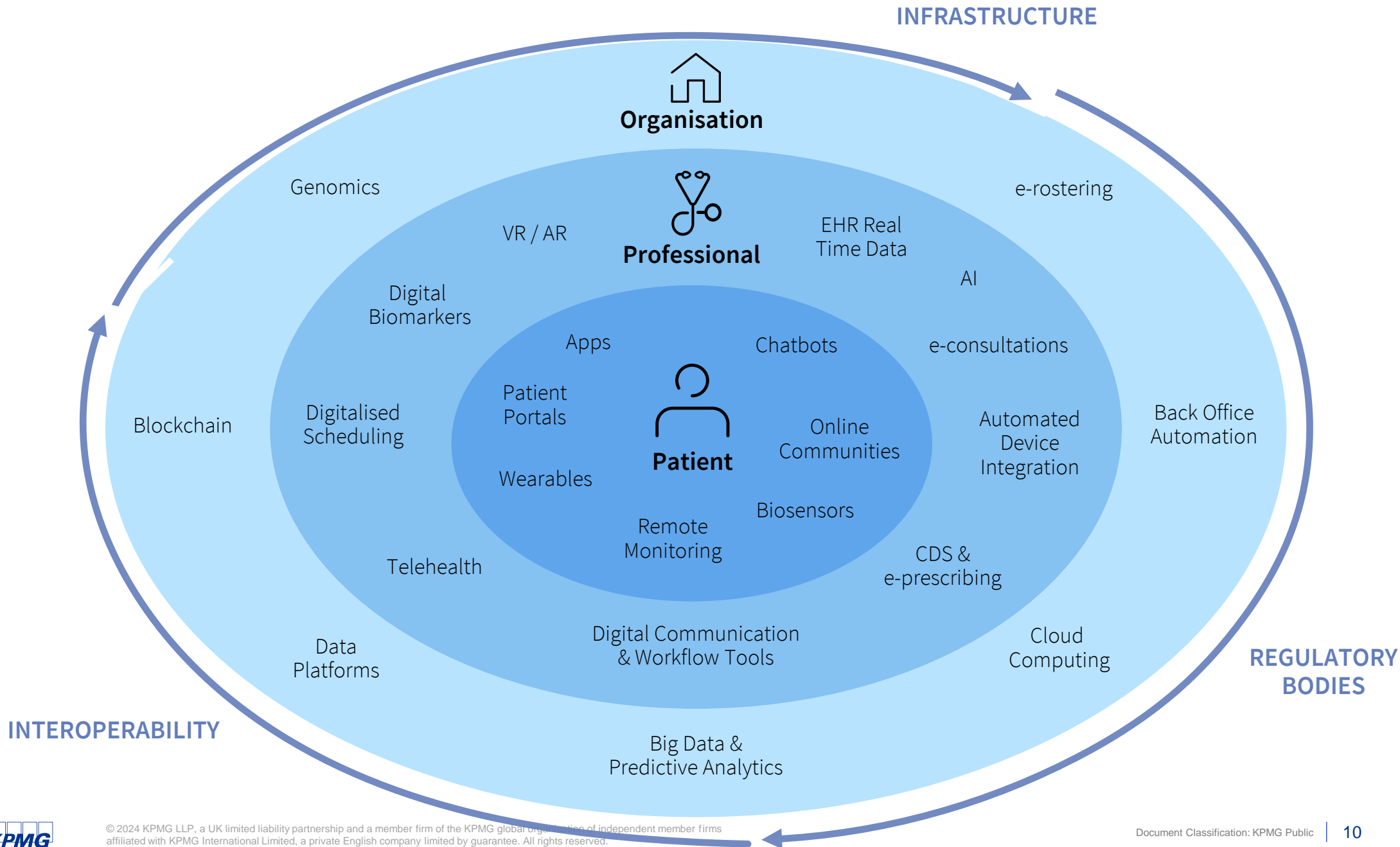
**Partnering with community and other groups to provide culturally and linguistically appropriate interventions**



# Driving Digital Transformation

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# Connected Enterprise Transformation Method Overview

## 1. Frame

Make it clear

Organisational Readiness

Business alignment & governance

Digital maturity

Leadership & engagement

## 5. Deliver & Evolve

Make it stick

Targeted engagement

Iterative pilots

Measurable benefits

## 4. Develop

Make it happen

Clinically led

Benefit realisation strategy

Targeted training

## 2. Discover

Make it known

Workforce capacity & capabilities

As-is-state

To-be-state

Technical assessment

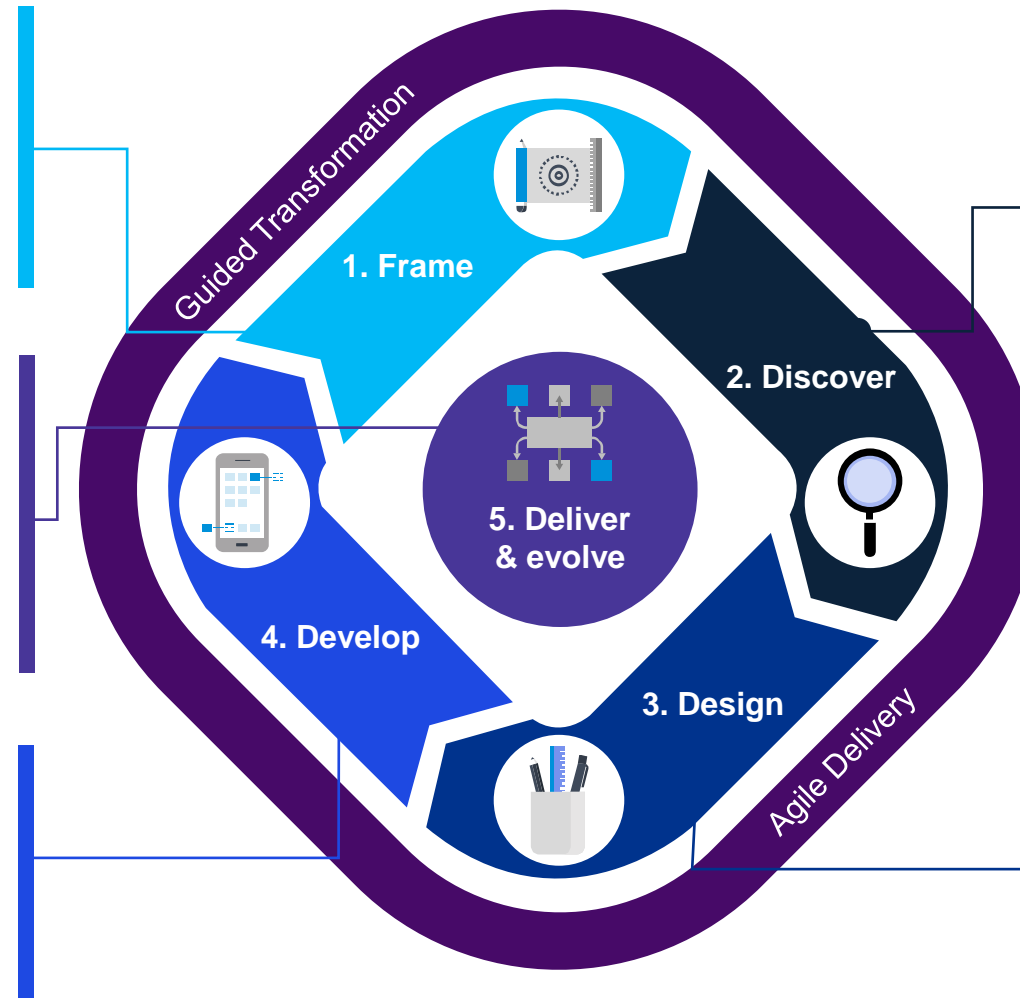
## 3. Design

Make it real

Optimise patient & care giver experience

Process re-design

Define new operating model



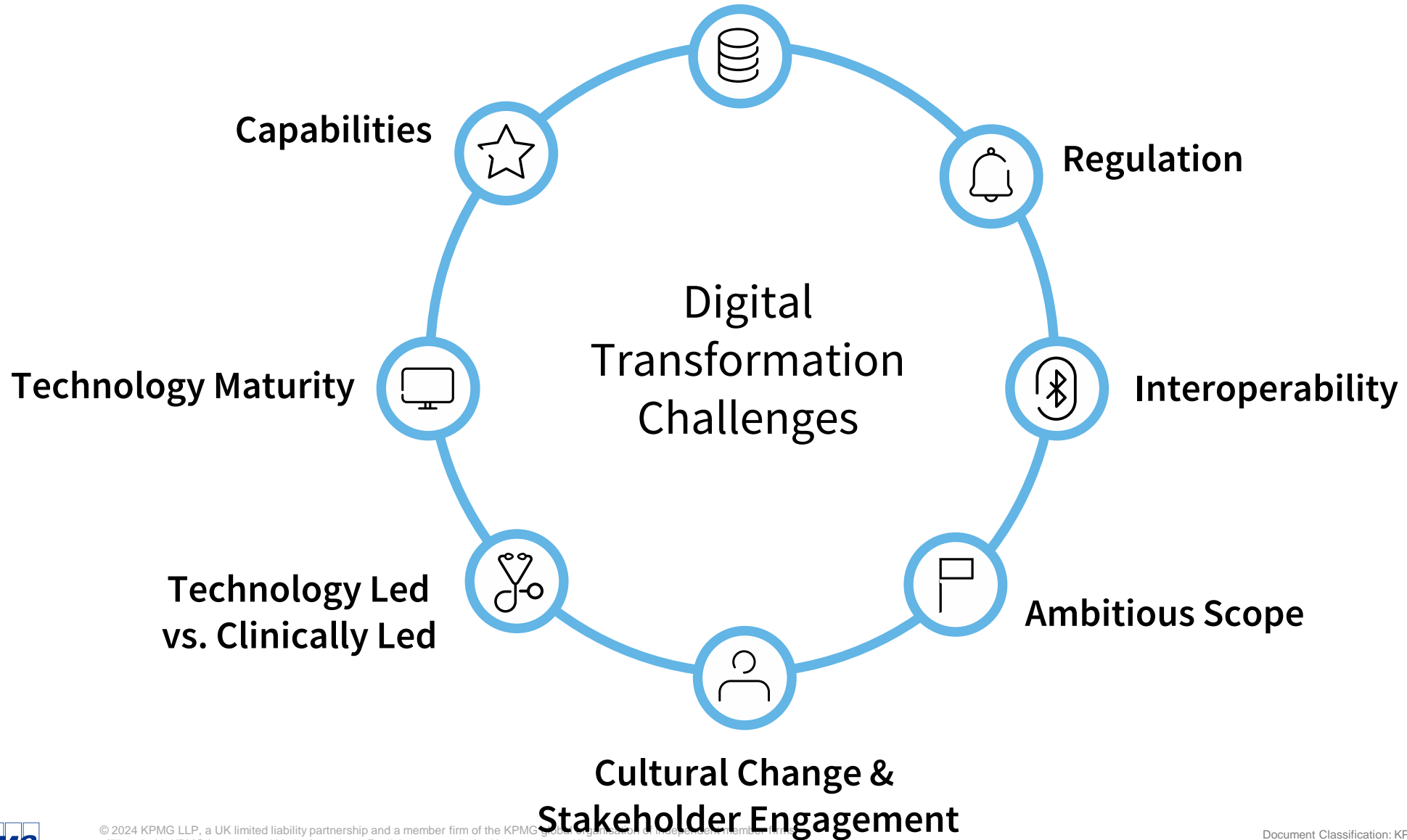
# Challenges

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# Challenge & Future

Incentives & ROI



# Future Focus

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# Future Trends

## Technology and data



Web 3.0 will bring about the decentralisation of data on the internet, with power shifting to citizens



The metaverse will create new spaces for organisations to transact and engage



Widespread adoption of cognitive technologies (e.g., machine learning, natural language processing, speech recognition, and robotics) will facilitate seamless interactions between humans and machines



Artificial intelligence (AI) will continue to mature, liberating workers from routine tasks and enabling greater innovation



Increasingly complex digital twins will allow individuals and organisations to accurately simulate and predict the consequences of real-world decisions

## Consumerism



Demand will increase for seamless, personalised and omnichannel experiences



Ecosystems will be consumer-centric rather than organisation-centered

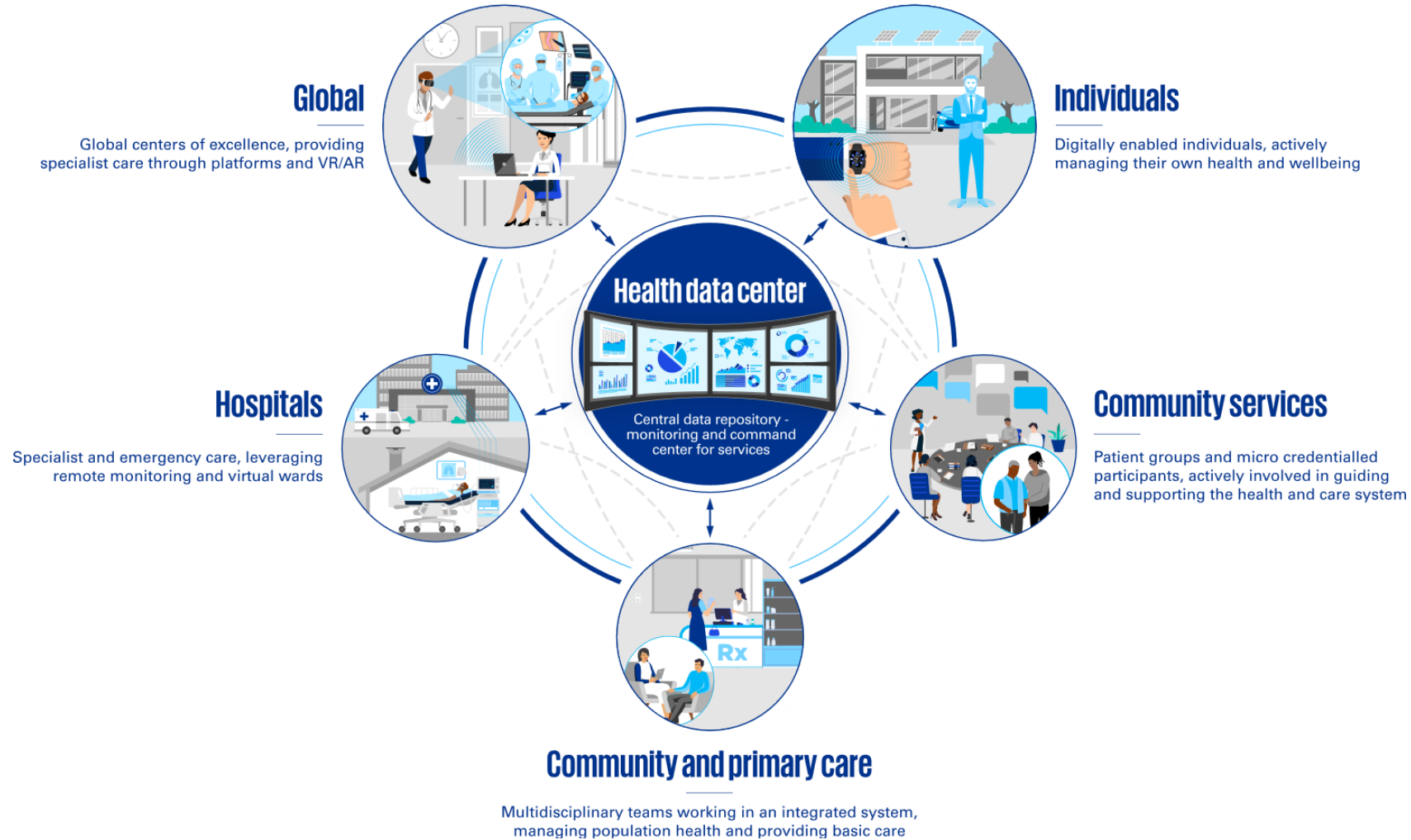


Markets will converge and consolidate



Digital platform-based consumption will become widespread

# What does an inclusive ecosystem look like?





# Summary



**Leadership  
Commitment  
and Vision  
Setting**



**User-Centric  
Design**



**Interoperability  
and Integration**



**Data Security  
and Privacy**



**Scalability and  
Flexibility**



**Collaboration  
and Partnership**



**Training and  
Change  
Management**



**Continuous  
Improvement  
and Innovation**